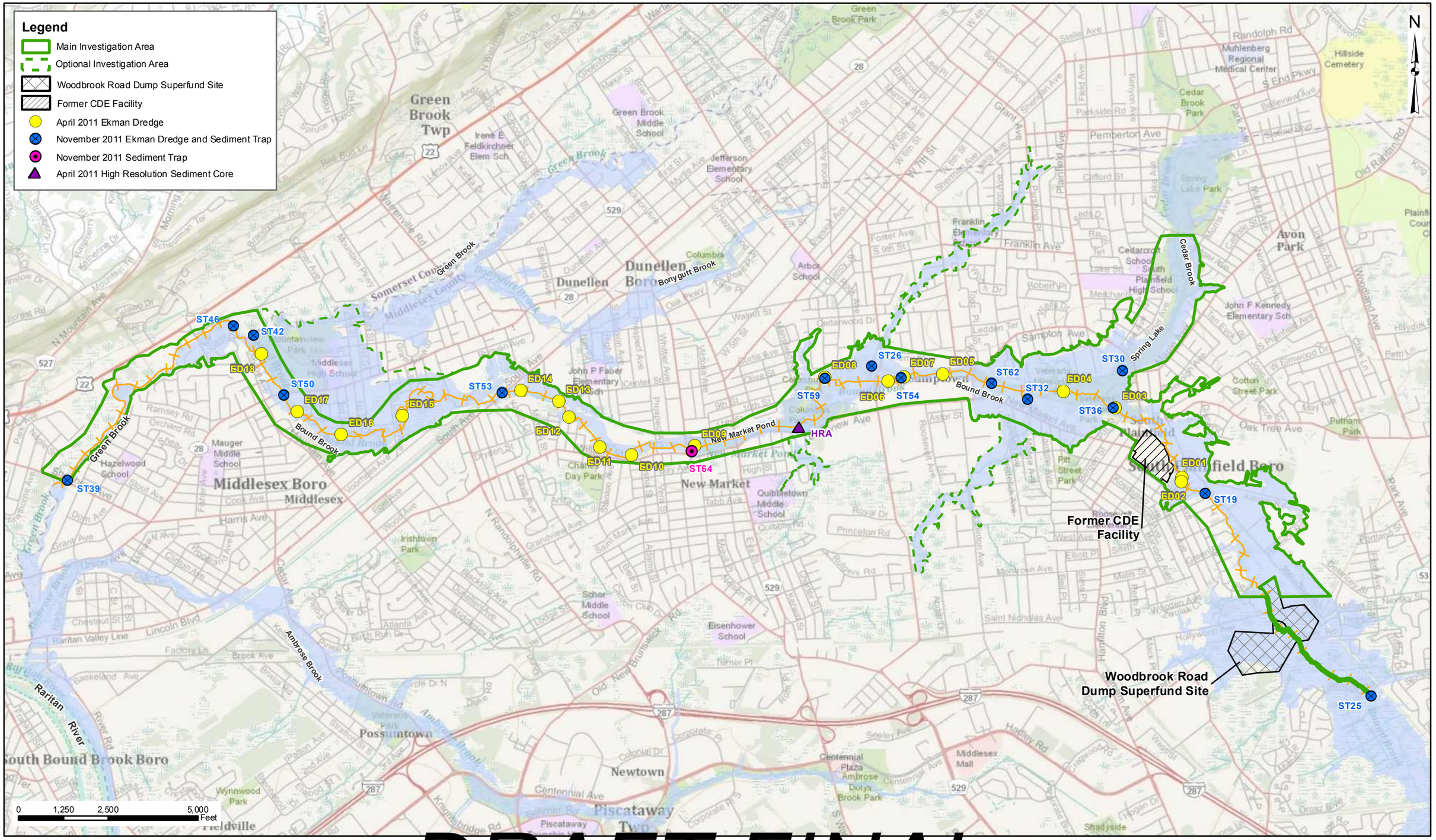

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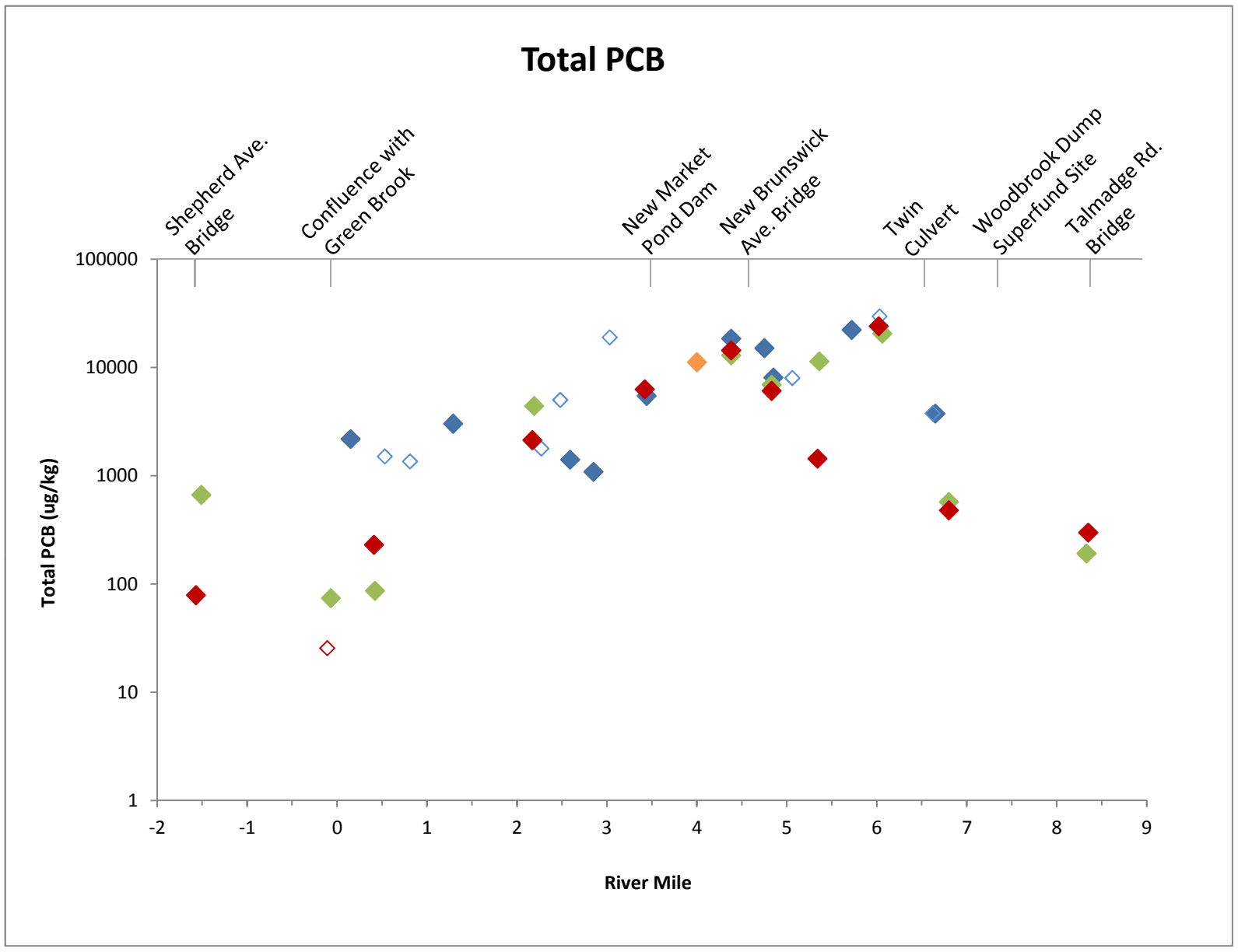
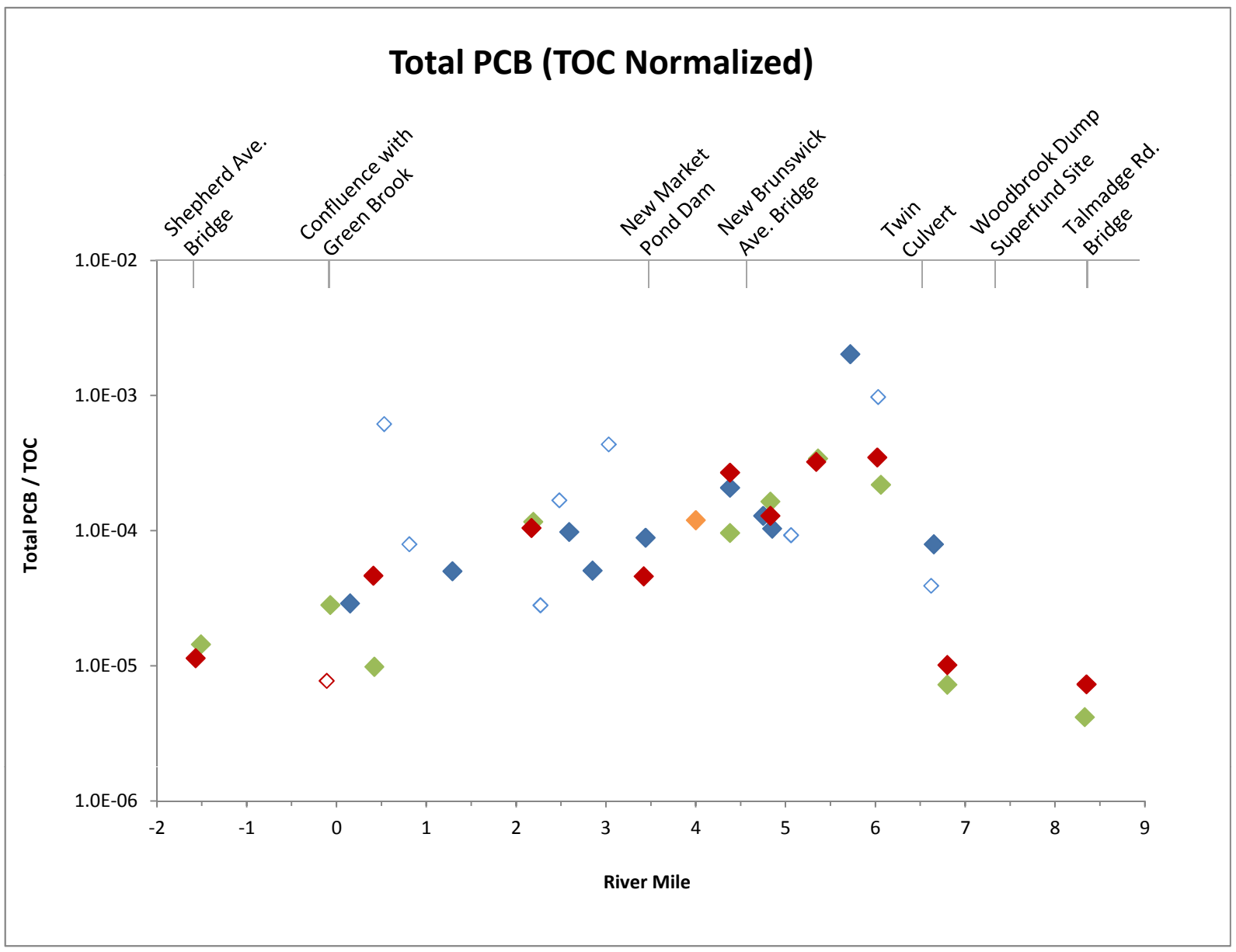
	Corner-Dubilier Electronics Superfund Site South Plainfield, New Jersey	**Ekman Dredge, Sediment Trap, and High Resolution Sediment Sampling Locations** *Bound Brook OU4 RI/FS*	2013 Figure 6-1





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

TOC denotes Total Organic Carbon

NOTES:

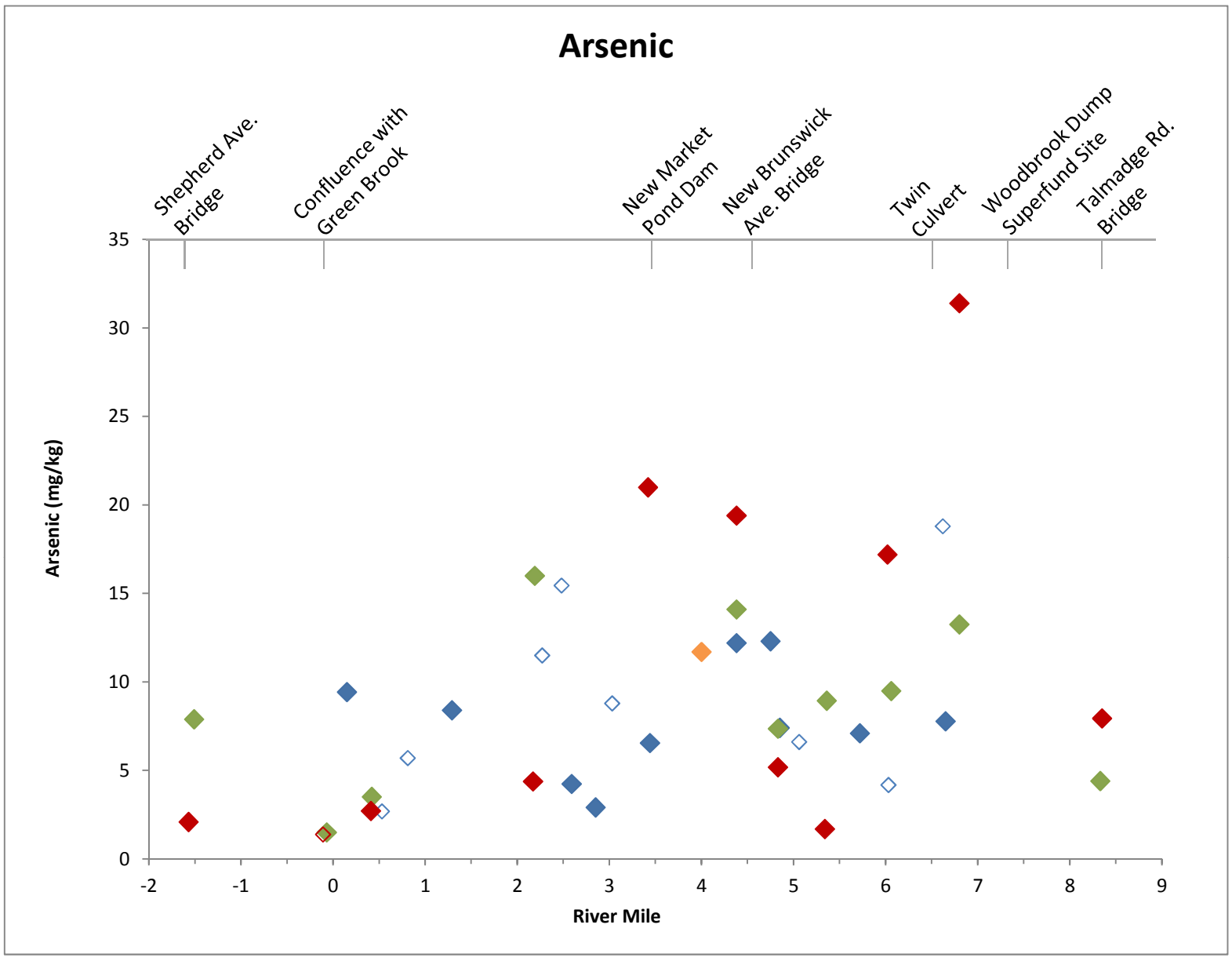
1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
5. Total PCB represents the sum of congeners as reported by the laboratory. April 2011 samples were analyzed by Method 1668A; November 2011 samples were analyzed by Method 608.

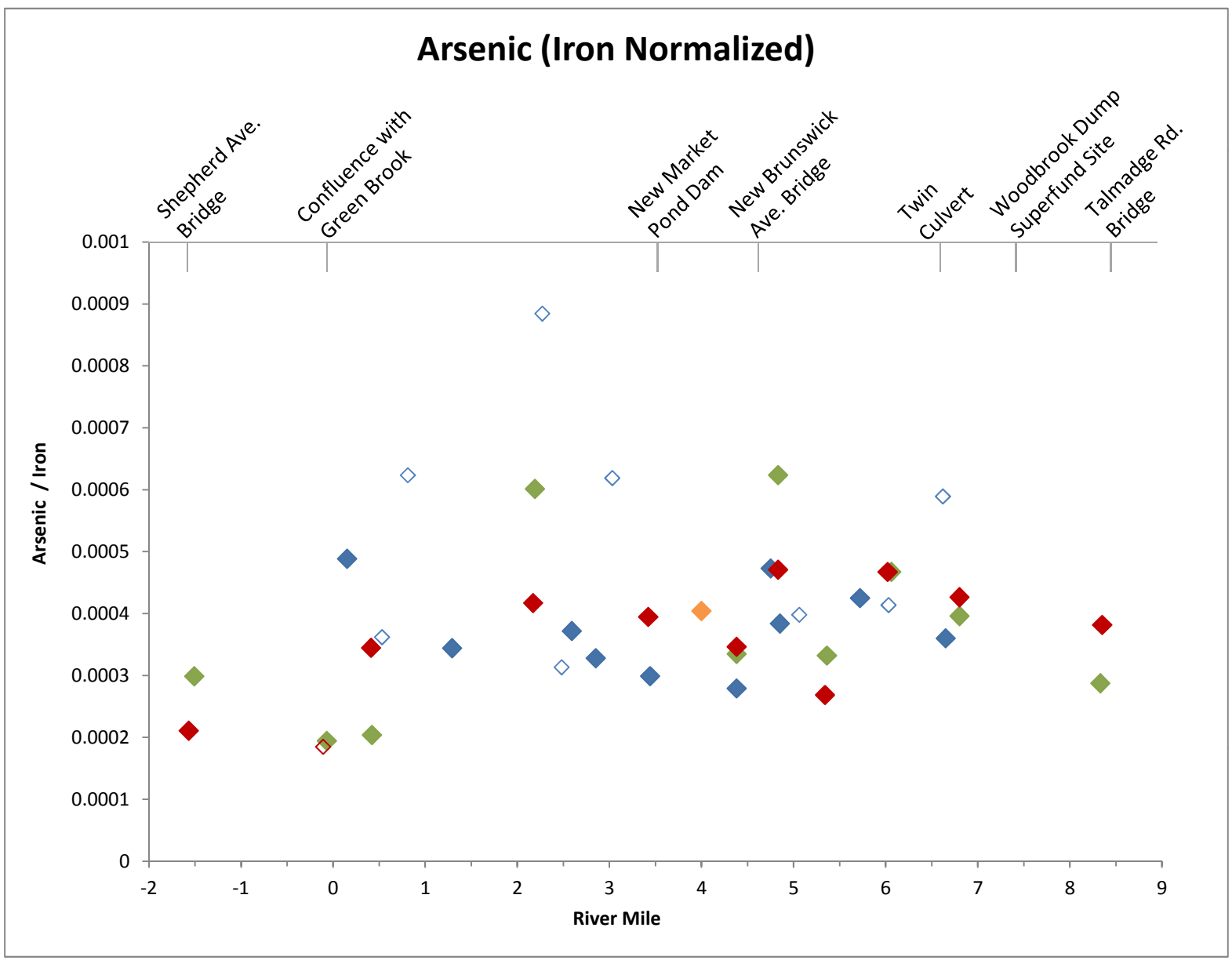
Cornell-Dubilier Electronics Superfund Site
South Plainfield, NJ

Total PCB Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2a





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

NOTES:

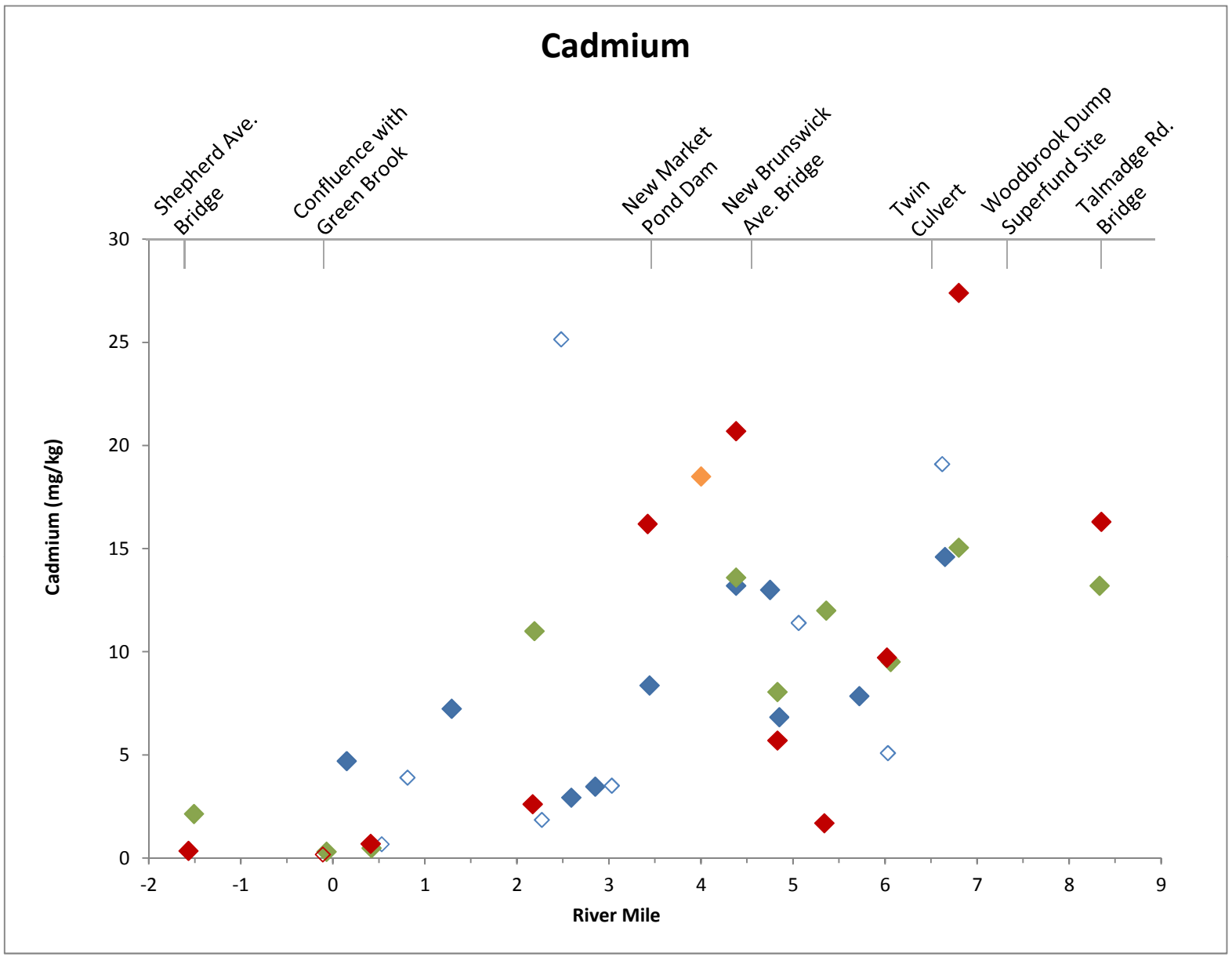
1. Filled symbols indicate the presence of Be-7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be-7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

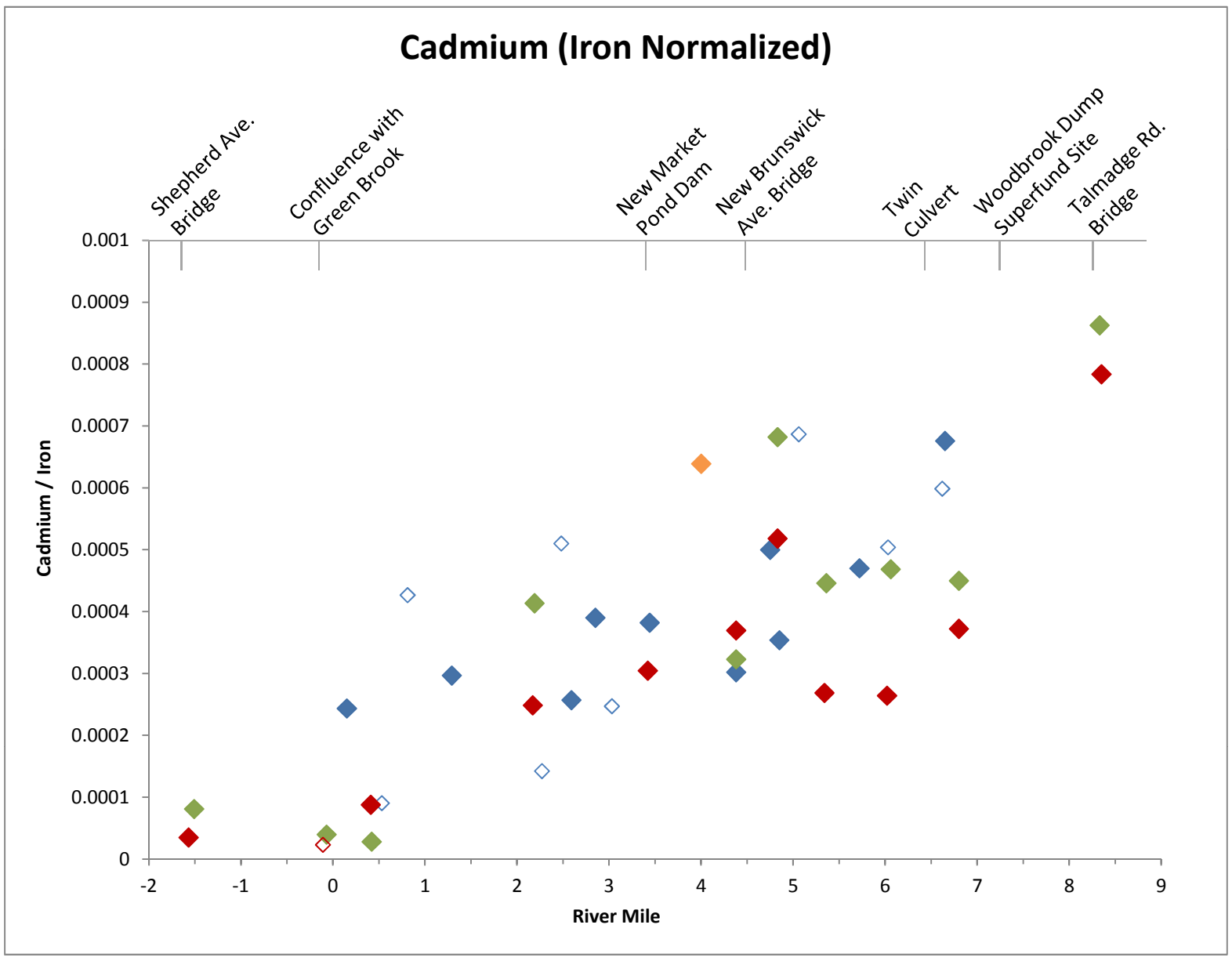
Cornell-Dubilier Electronics Superfund Site
South Plainfield, NJ

Arsenic Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2b





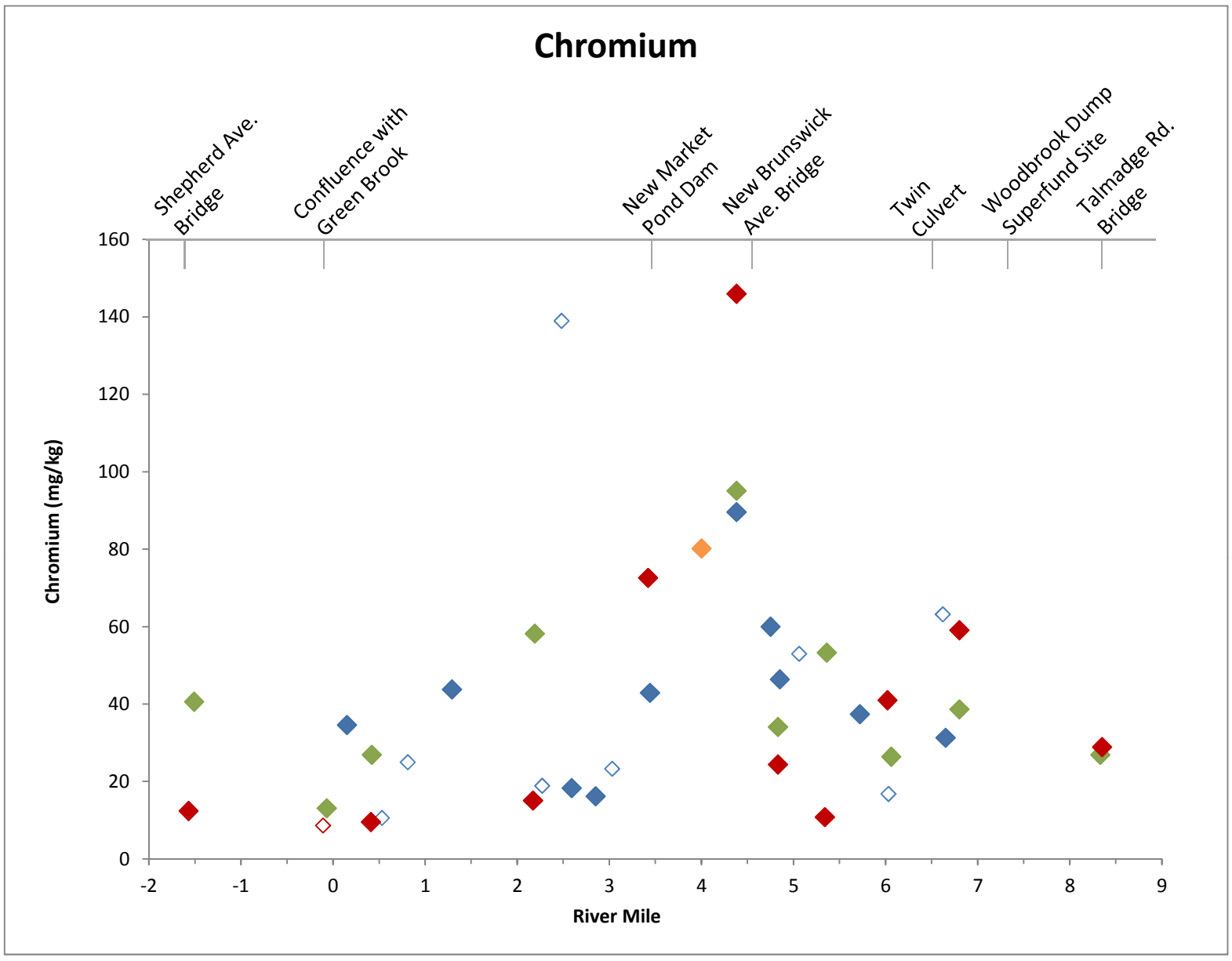
LEGEND:

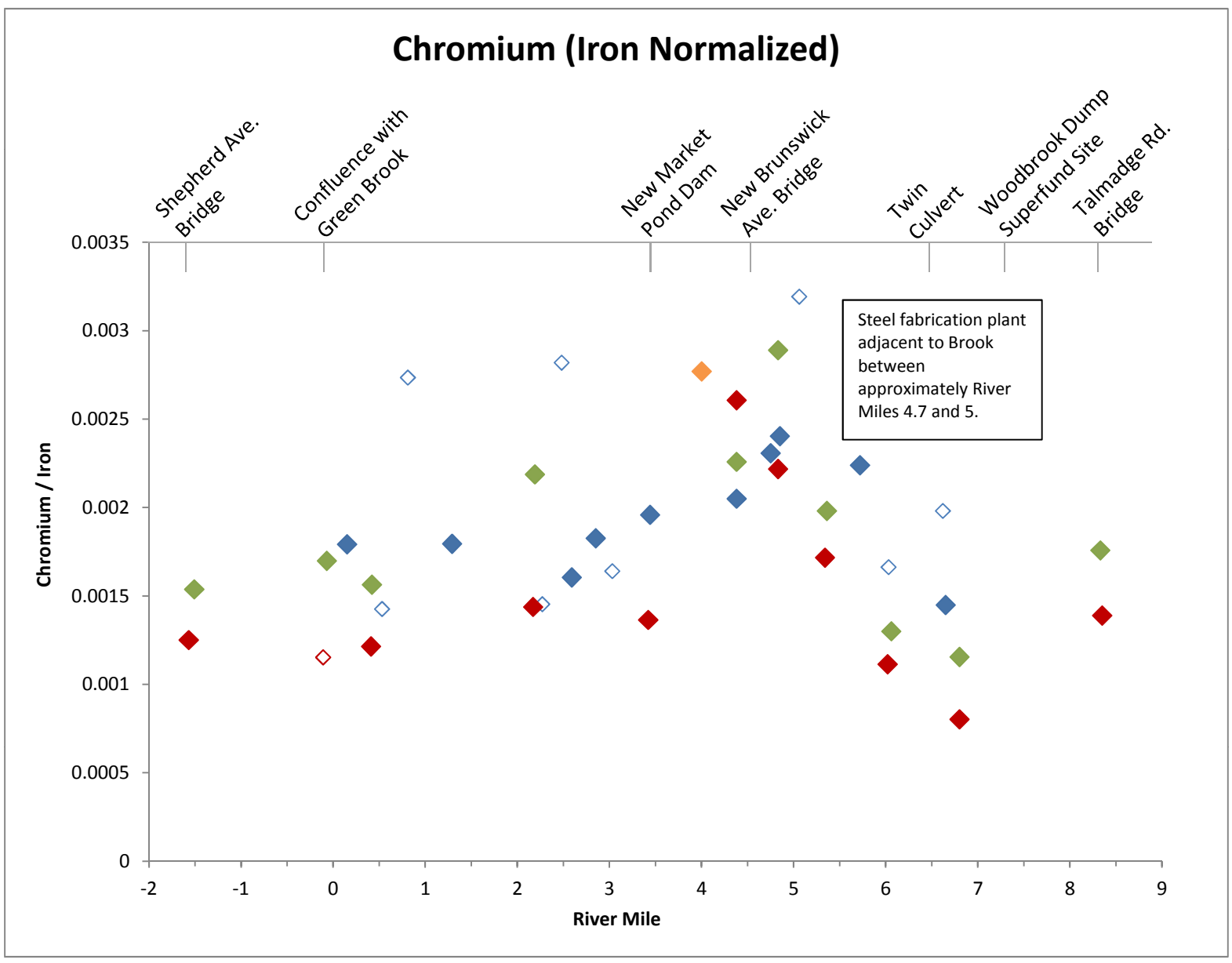
- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

NOTES:

1. Filled symbols indicate the presence of Be-7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be-7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Cadmium Concentrations in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-2c





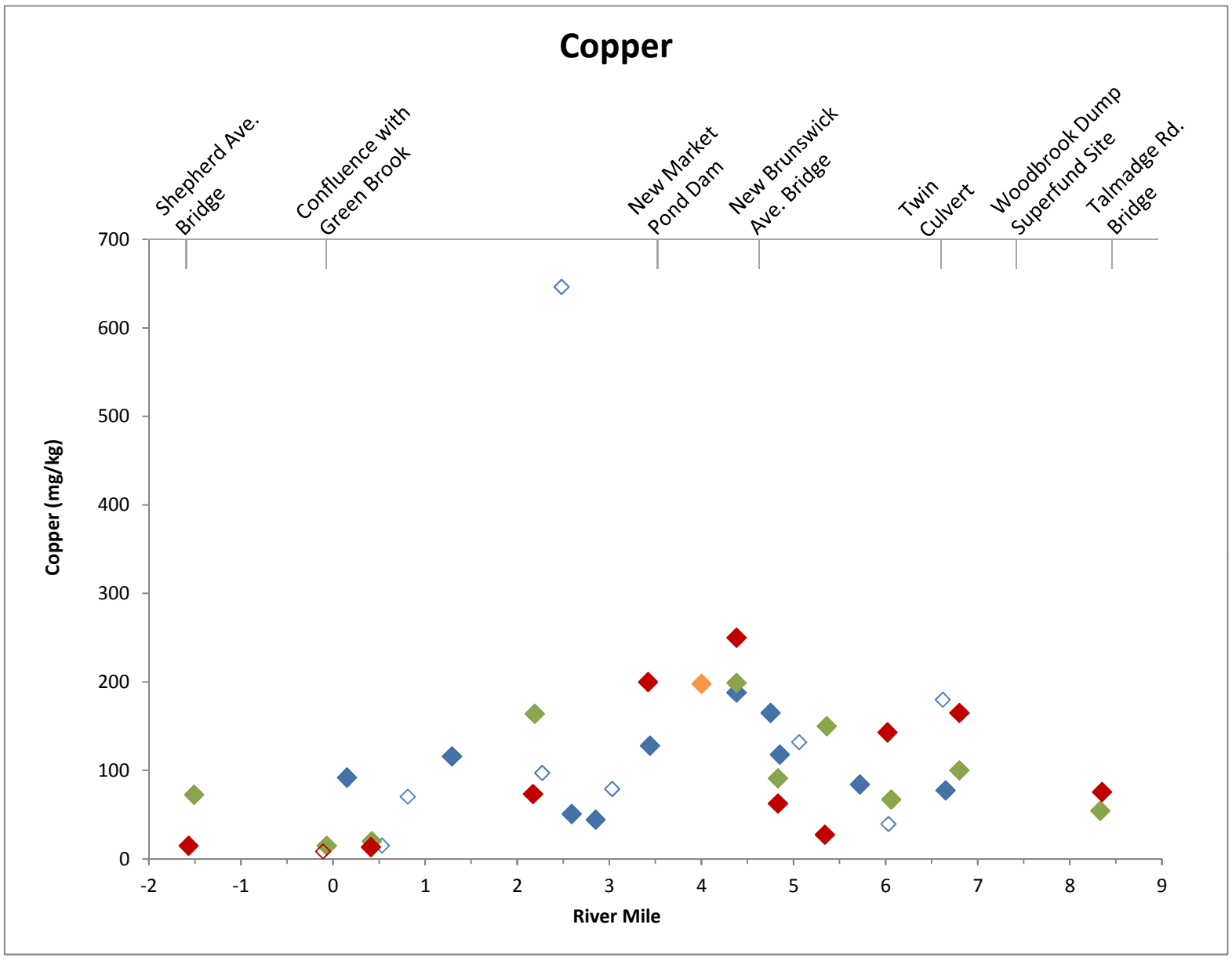
LEGEND:

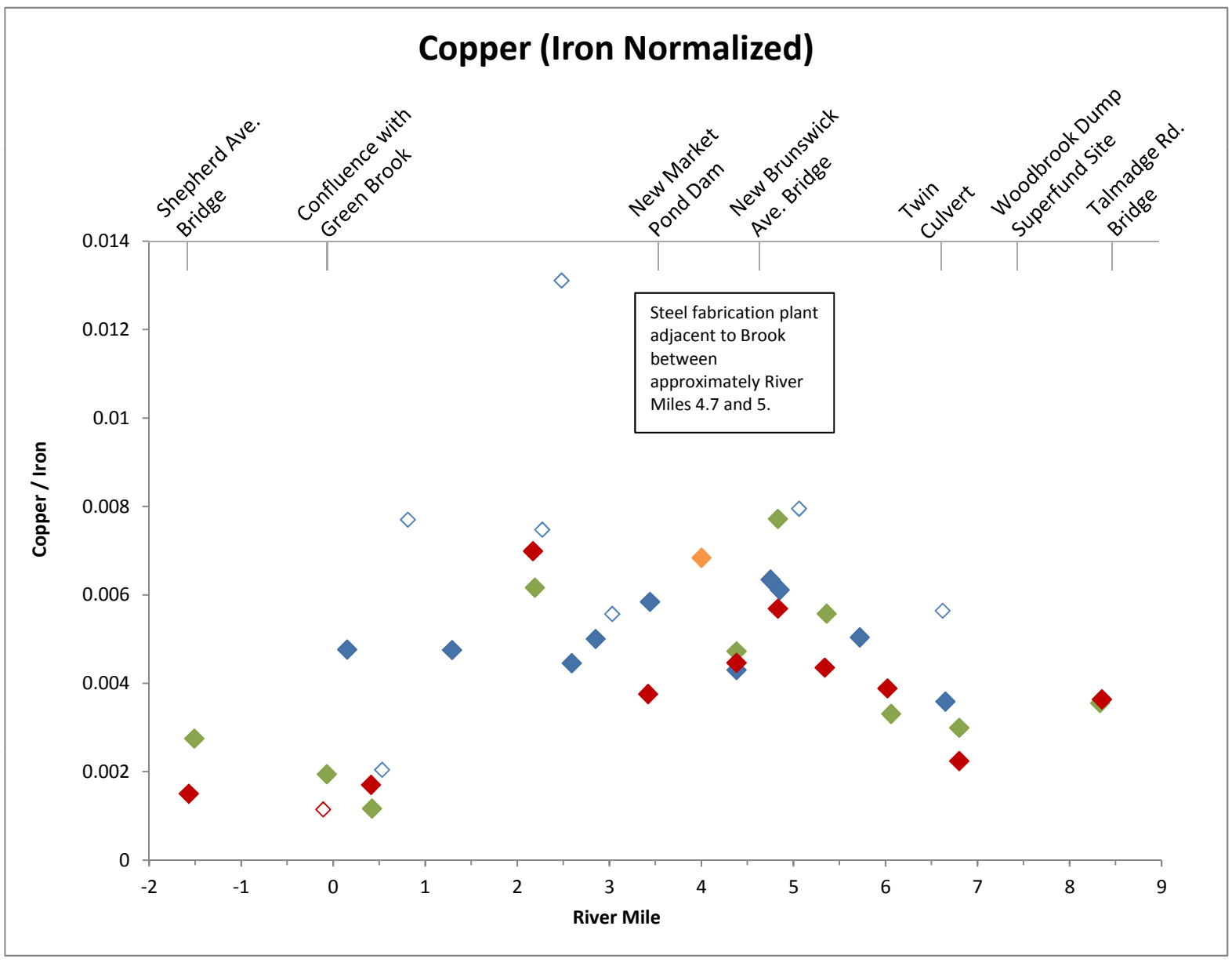
- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

NOTES:

1. Filled symbols indicate the presence of Be-7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be-7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Chromium Concentrations in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-2d





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

NOTES:

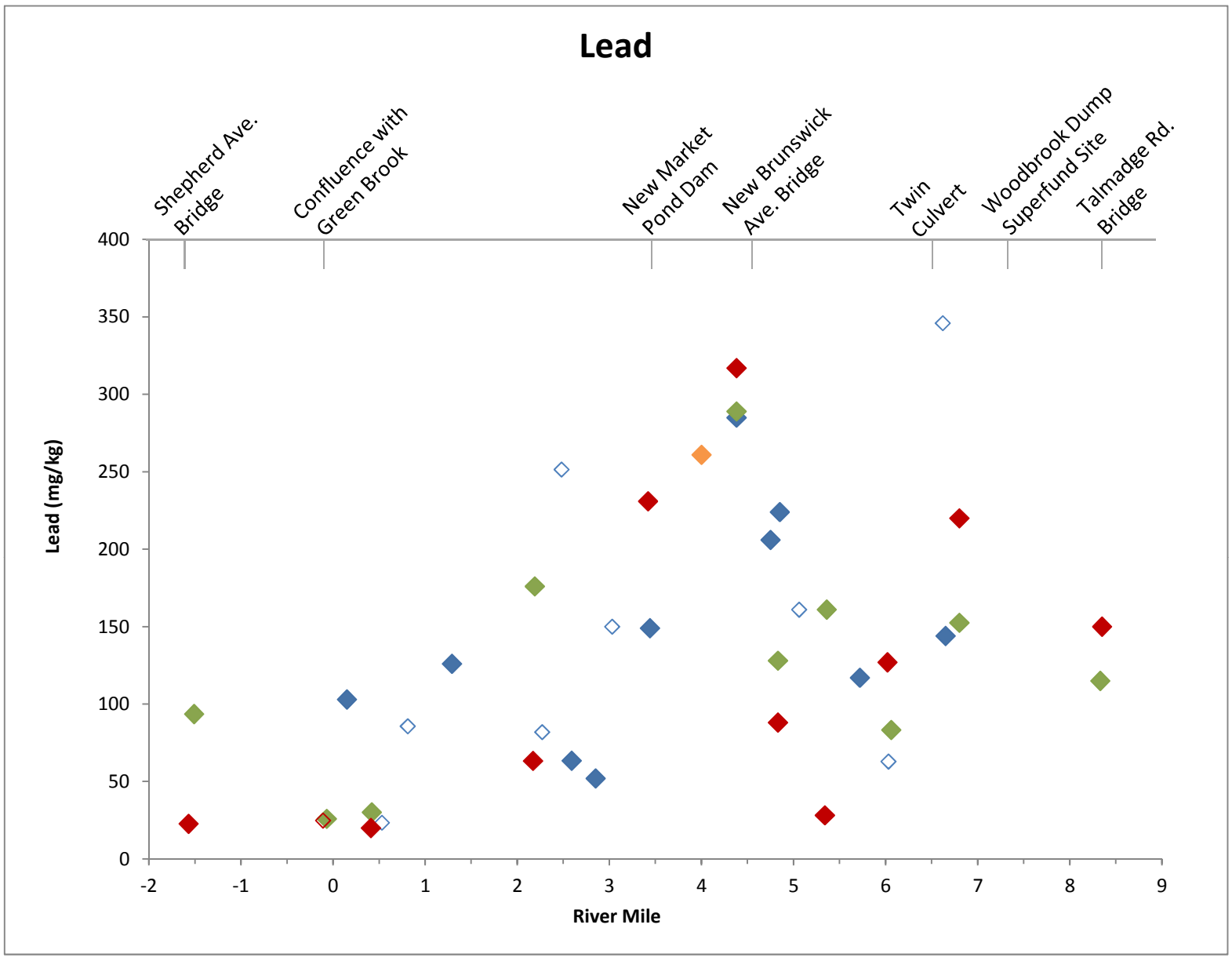
1. Filled symbols indicate the presence of Be-7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be-7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

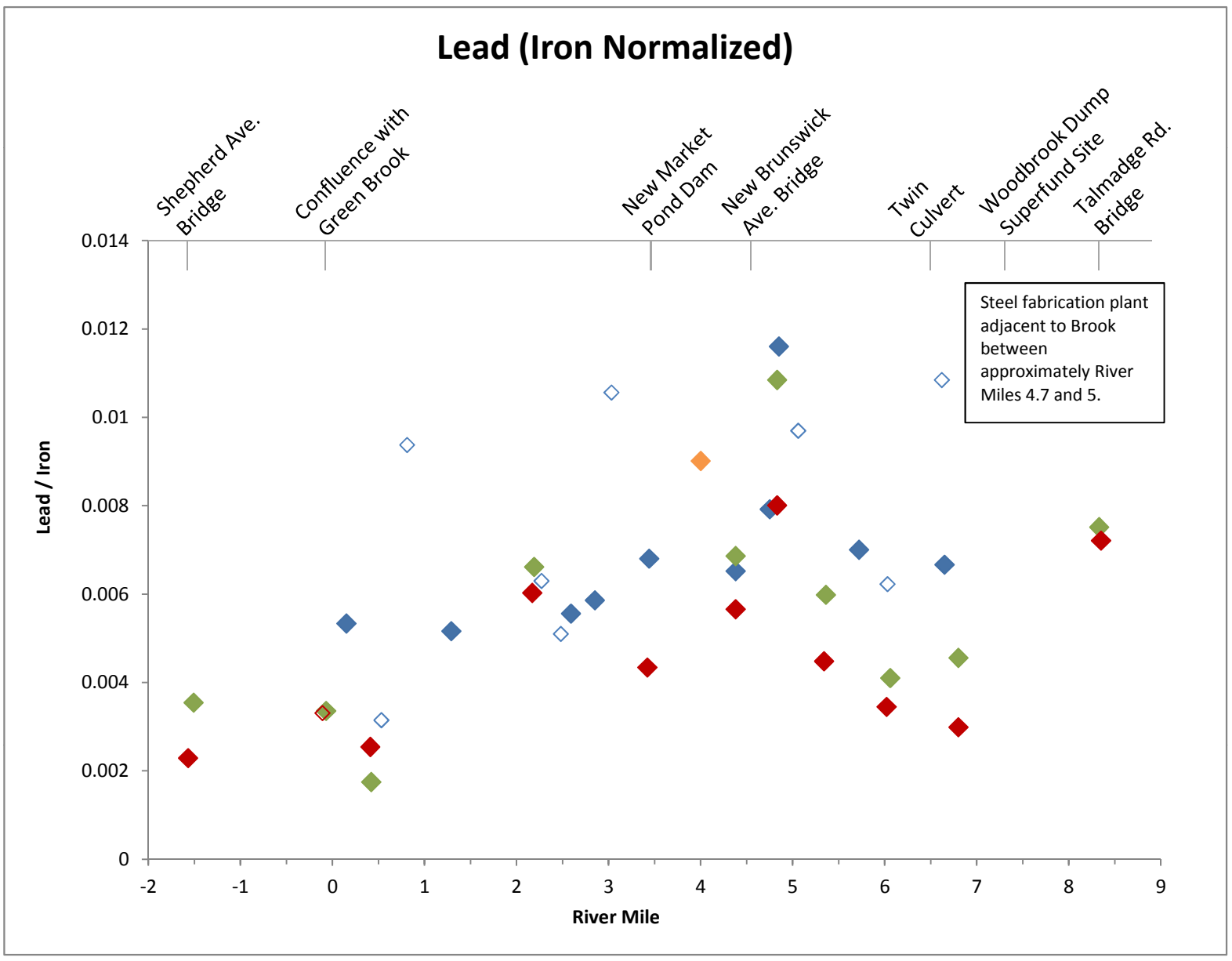
Cornell-Dubilier Electronics Superfund Site
South Plainfield, NJ

Copper Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2e





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

NOTES:

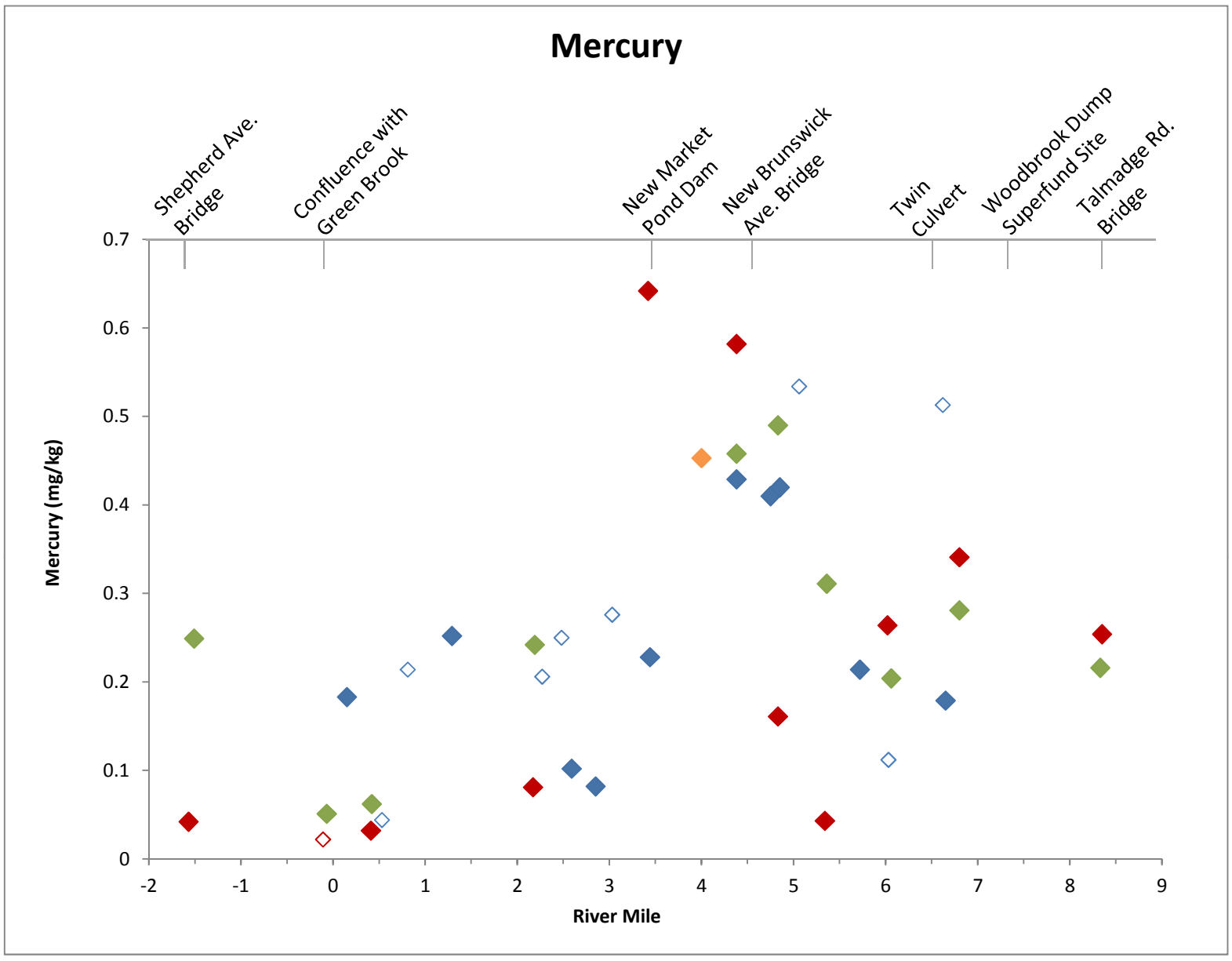
1. Filled symbols indicate the presence of Be-7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be-7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

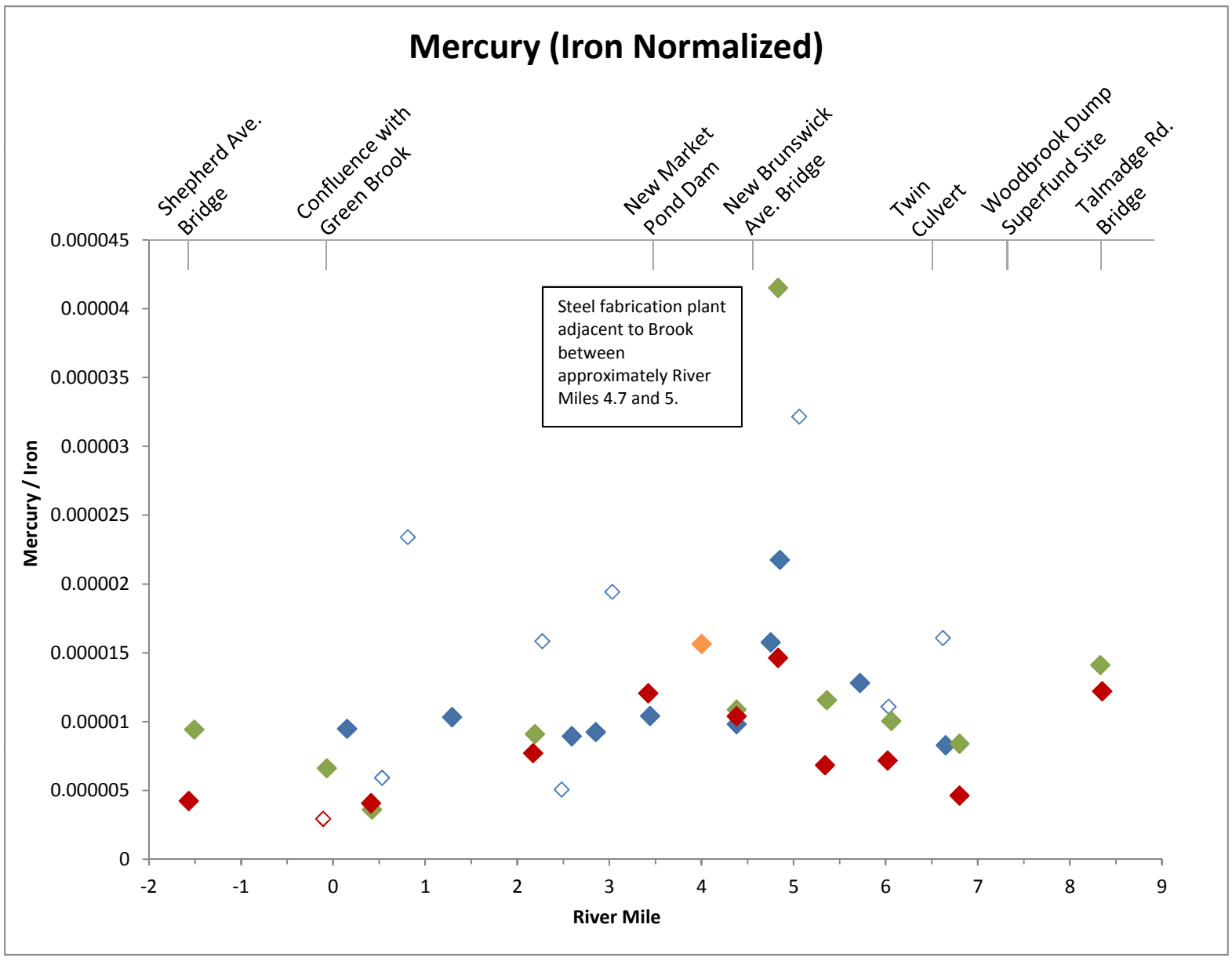
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Lead Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2f





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

NOTES:

1. Filled symbols indicate the presence of Be-7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be-7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Mercury Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2g

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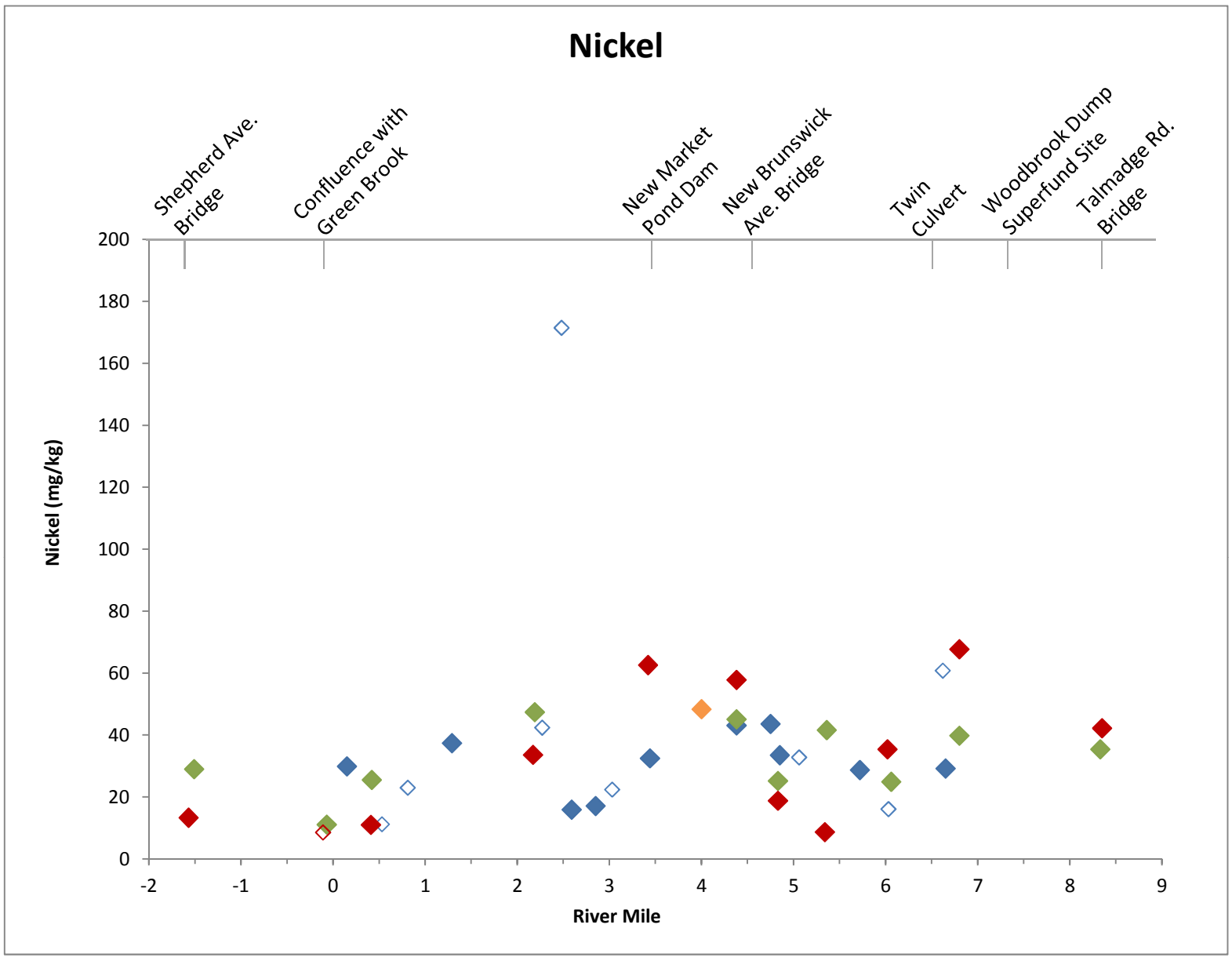
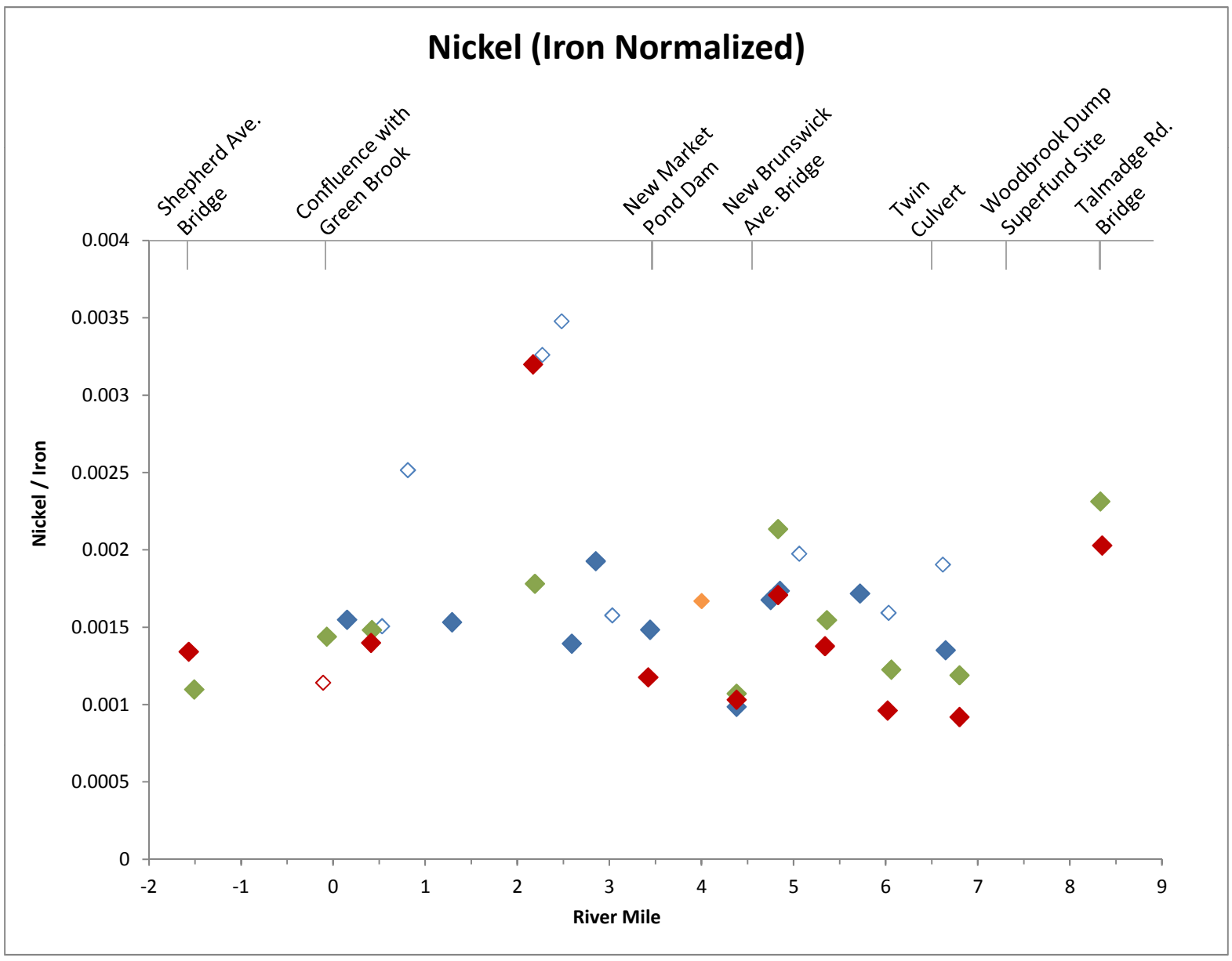




LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

NOTES:

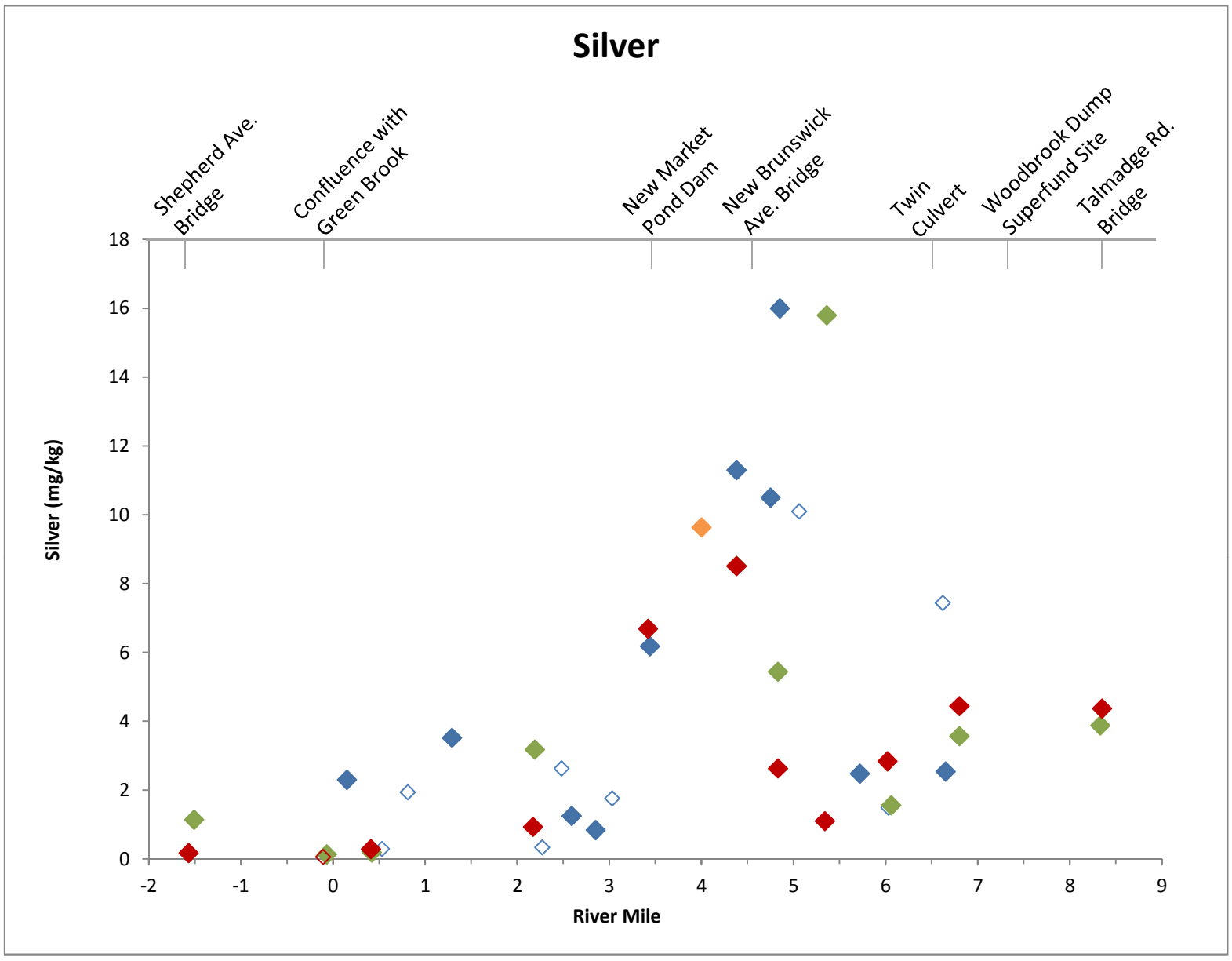
1. Filled symbols indicate the presence of Be-7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be-7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

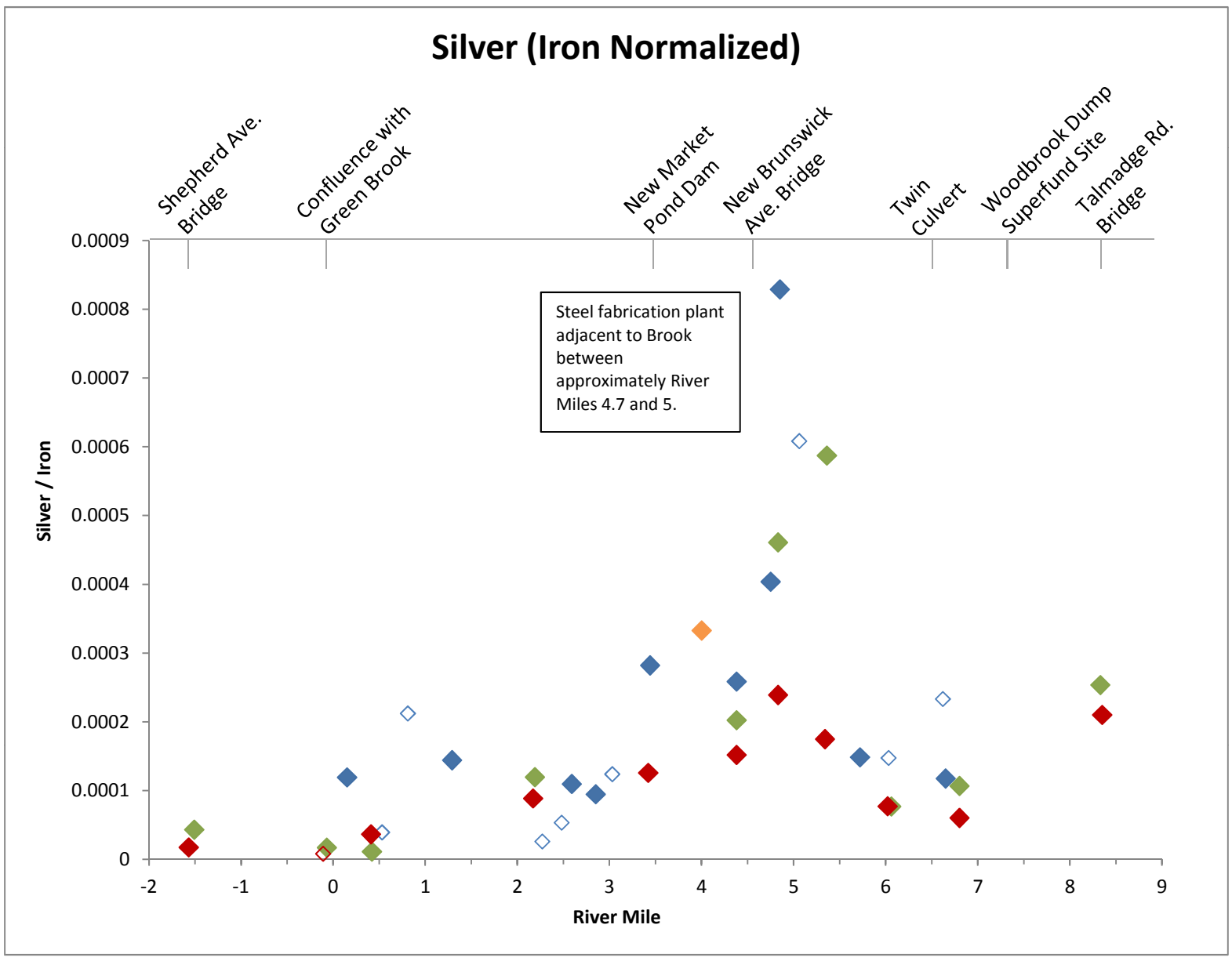
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Nickel Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2h





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

NOTES:

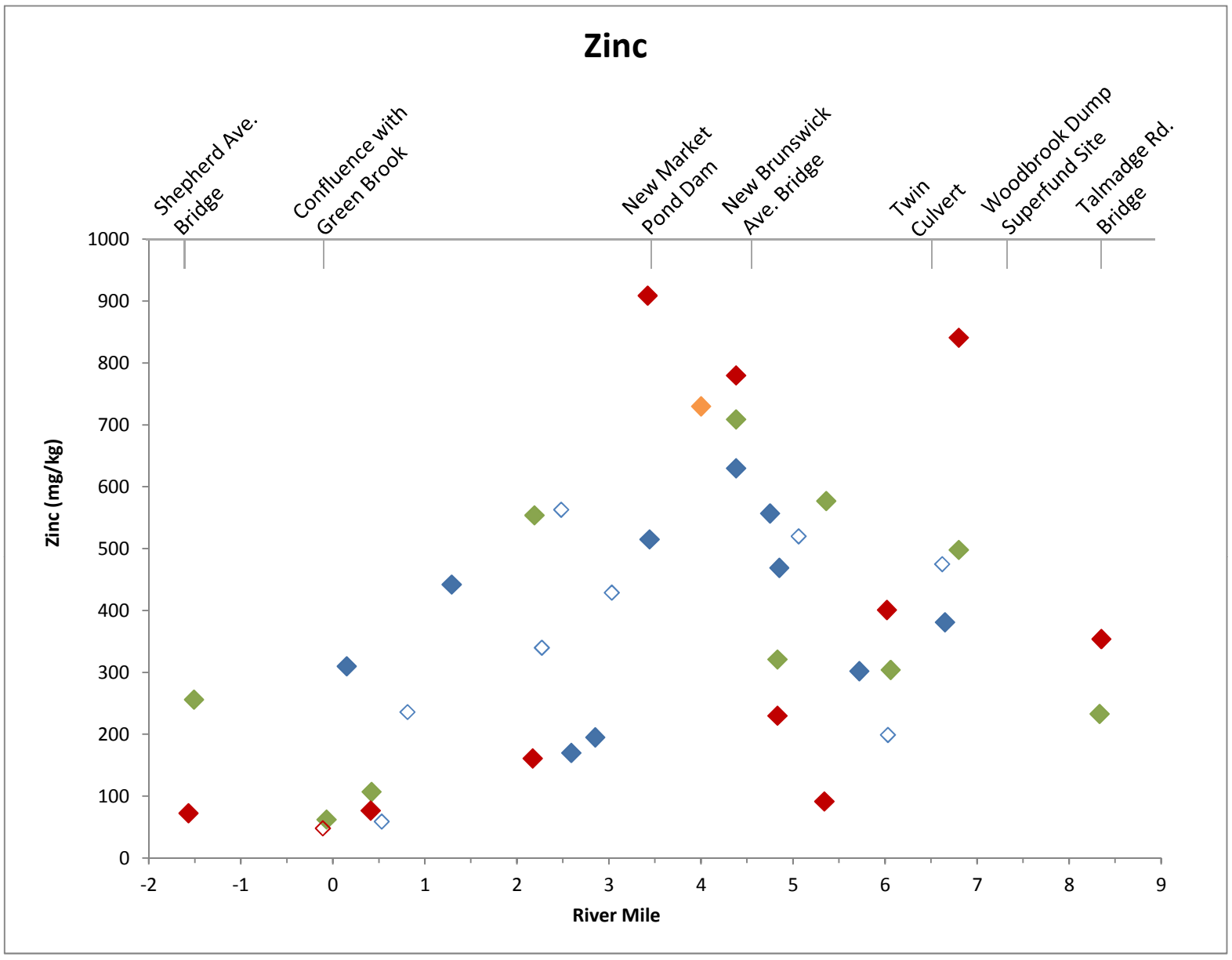
1. Filled symbols indicate the presence of Be-7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be-7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

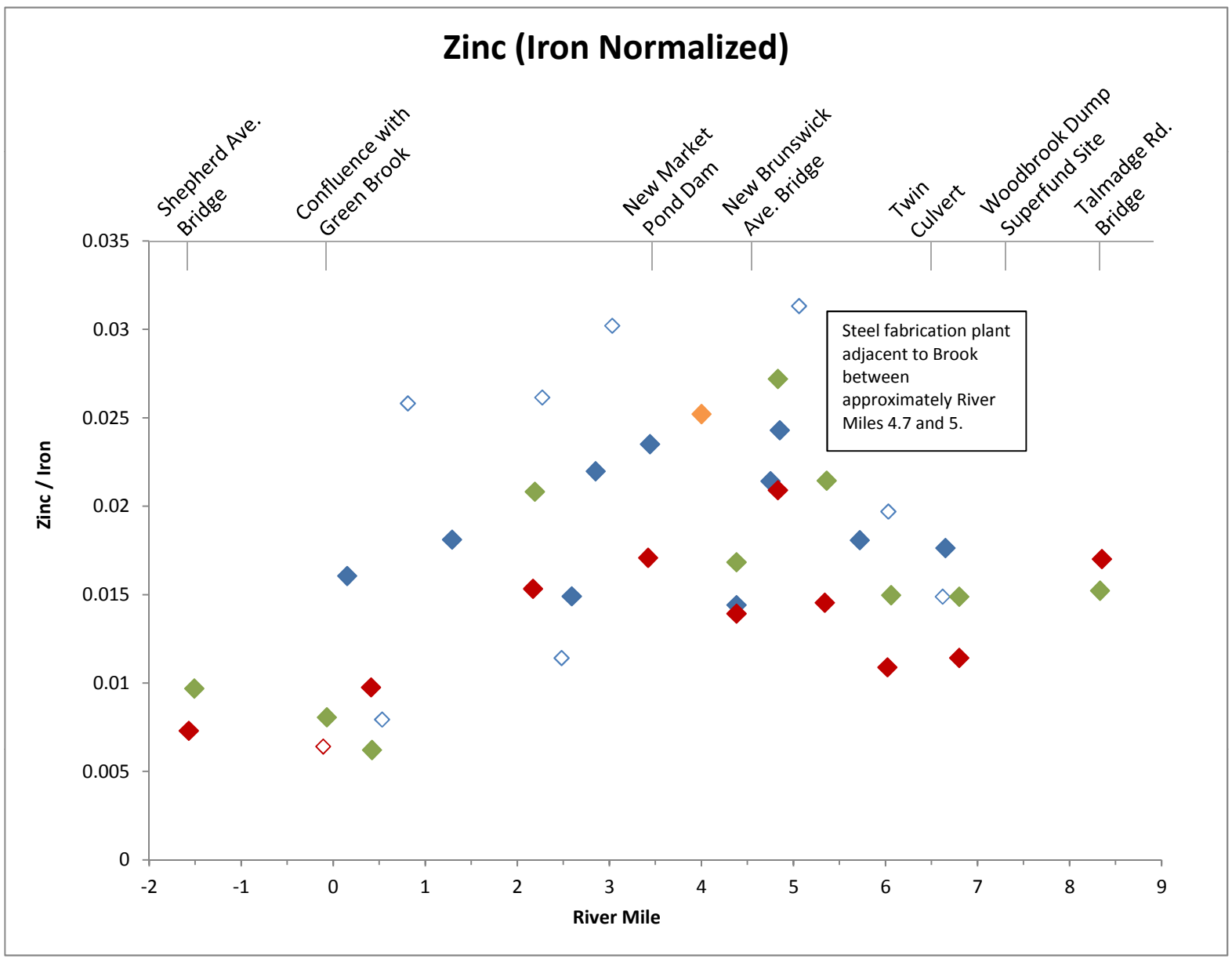
Cornell-Dubilier Electronics Superfund Site
South Plainfield, NJ

Silver Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2i





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)
- Nov 2011 Surface Sediment (Be7 bearing)
- Nov 2011 Sediment Trap (Be7 bearing)
- Nov 2011 Sediment Trap (non-Be7 bearing)

NOTES:

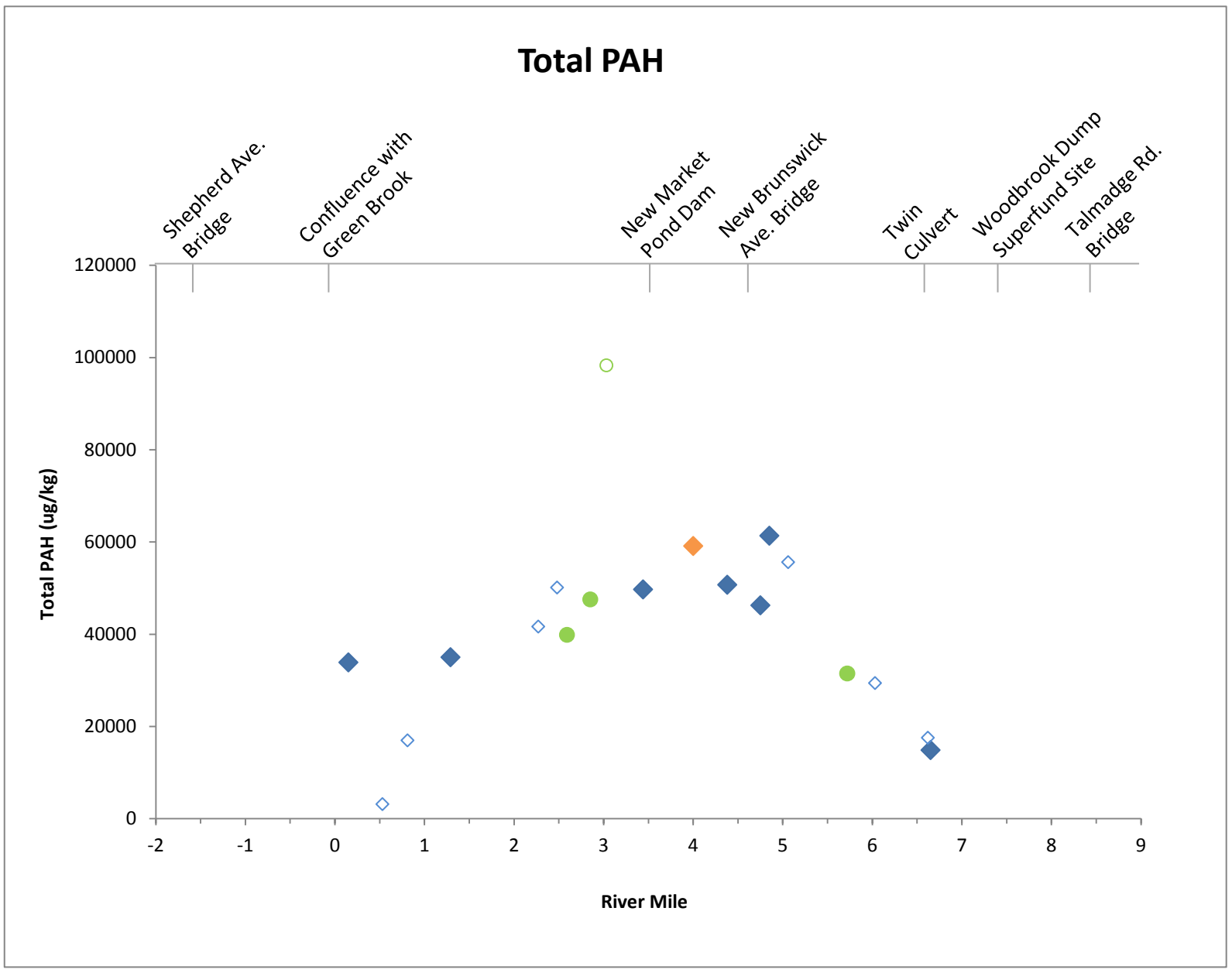
1. Filled symbols indicate the presence of Be-7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be-7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

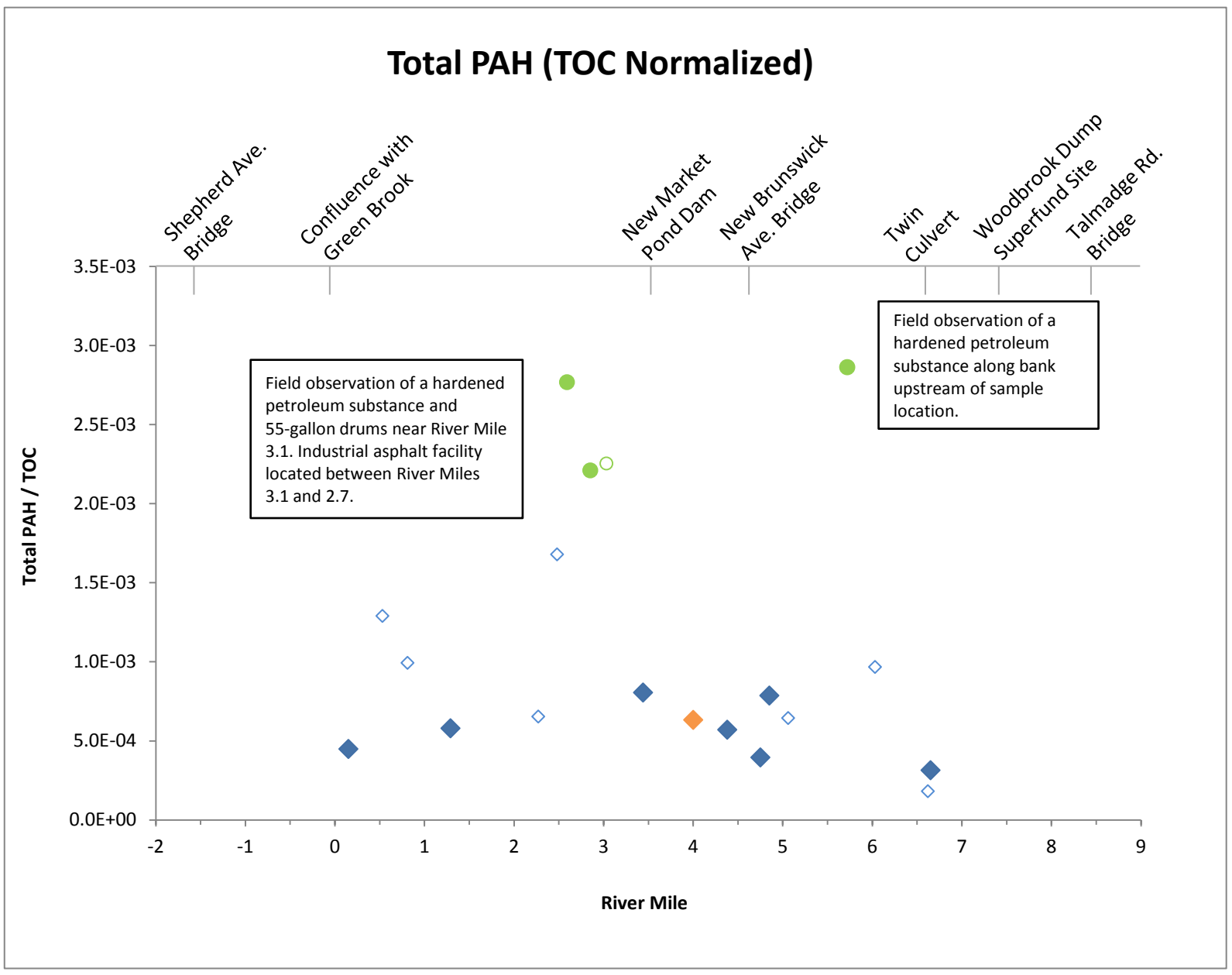
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Zinc Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2j





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (Be7 bearing, potentially site impacted)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing, potentially site impacted)
- April 2011 High Resolution Core Top (Be7 bearing)

TOC denotes Total Organic Carbon

NOTES:

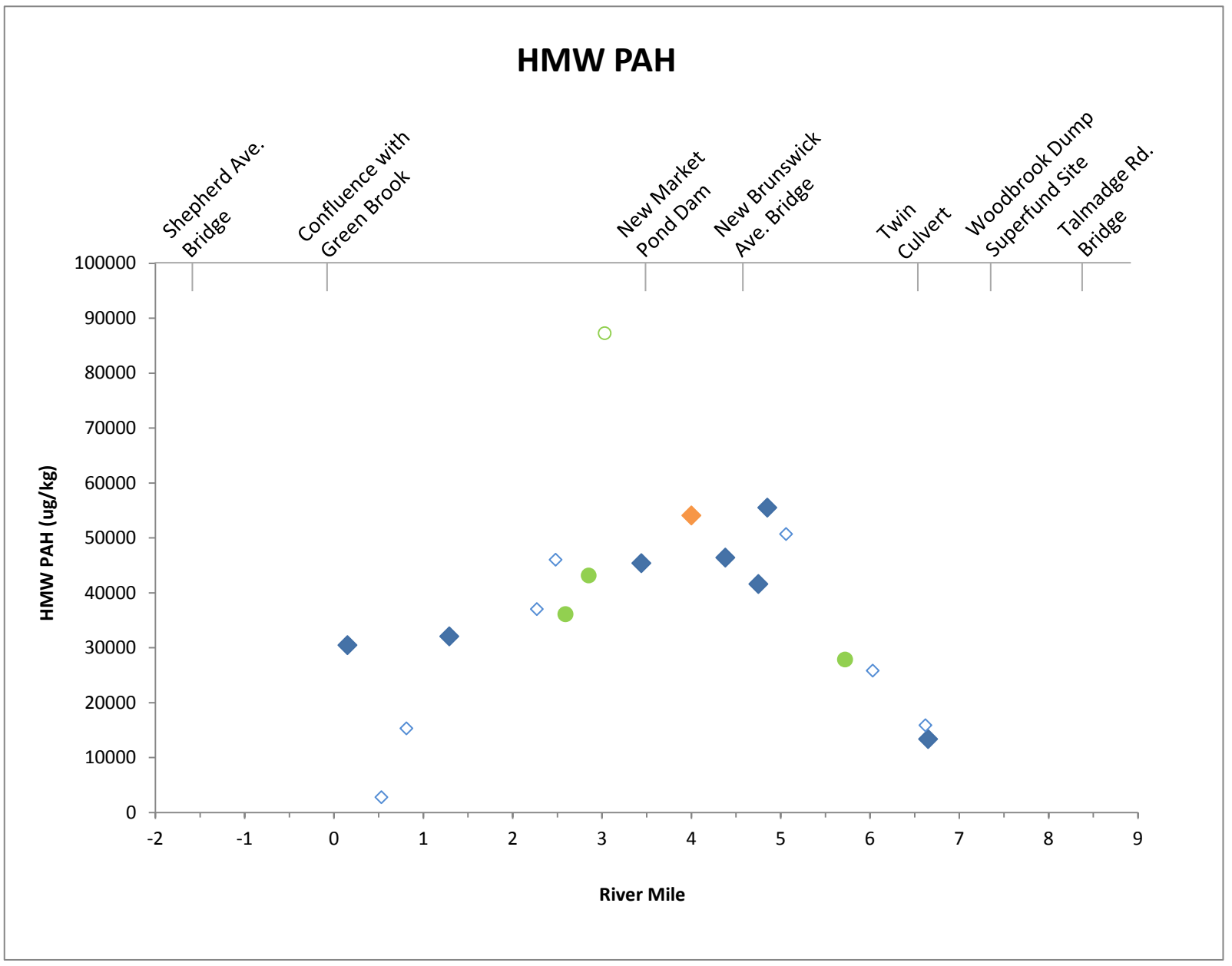
1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Total PAH equals the sum of the 16 priority PAH compounds. Nondetected concentrations were incorporated into the summation as zero.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

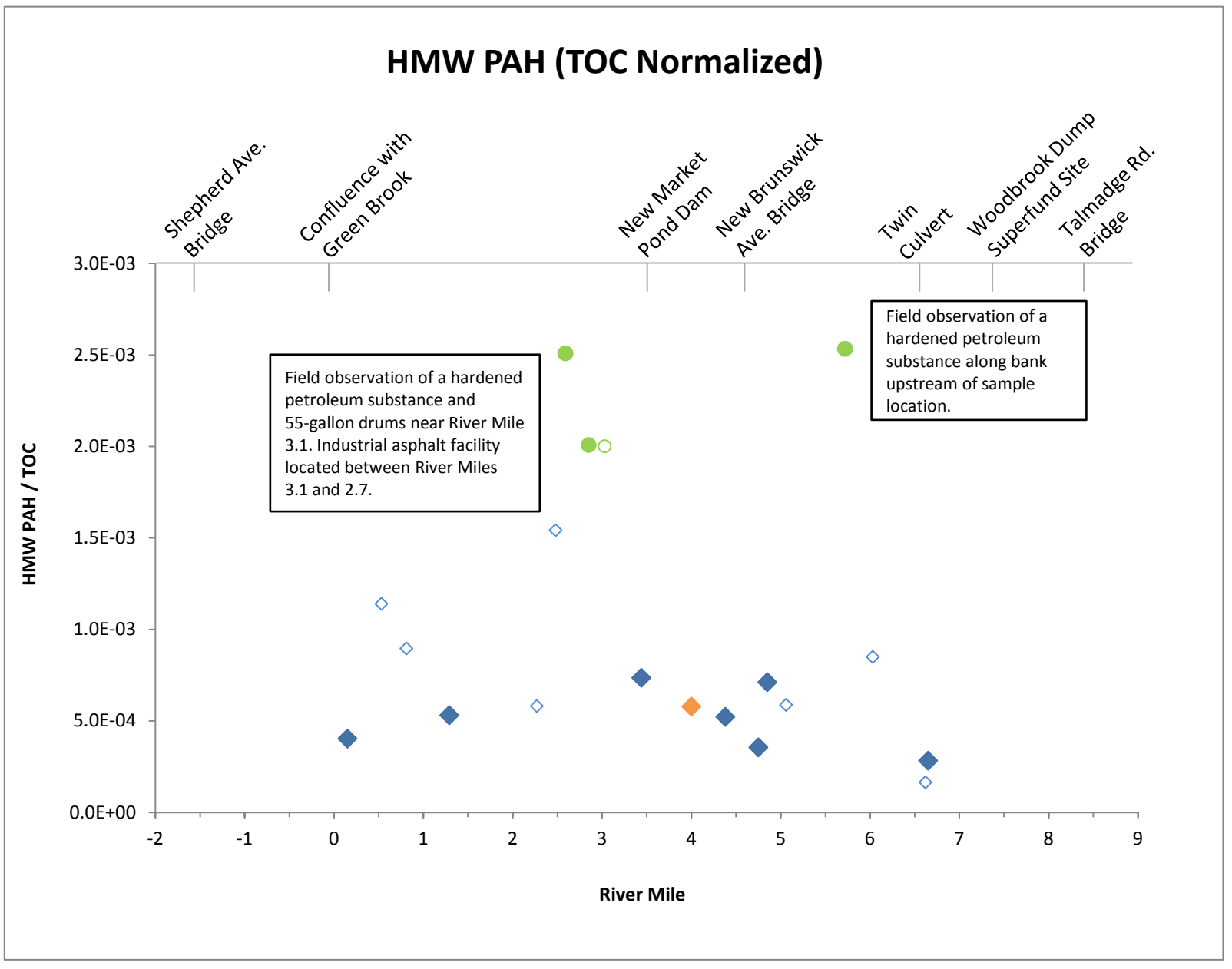
Cornell-Dubilier Electronics Superfund Site
South Plainfield, NJ

Total PAH Concentrations in Recently Deposited Sediments
Bound Brook OU4 R/FS

2013

FIGURE 6-2k





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (Be7 bearing, potentially site impacted)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing, potentially site impacted)
- April 2011 High Resolution Core Top (Be7 bearing)

TOC denotes Total Organic Carbon
HMW denotes High Molecular Weight

NOTES:

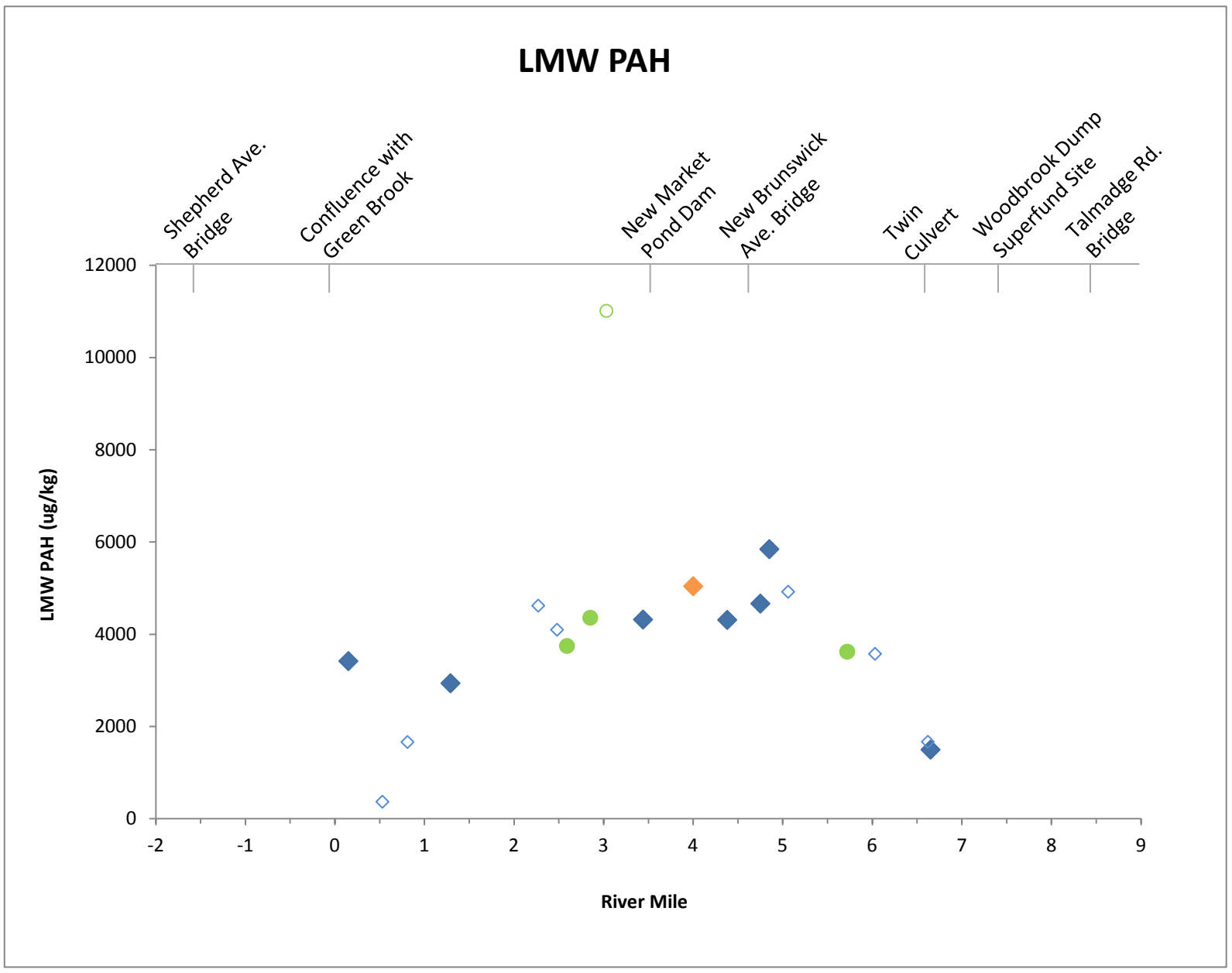
1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations were incorporated into the summation as zero.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

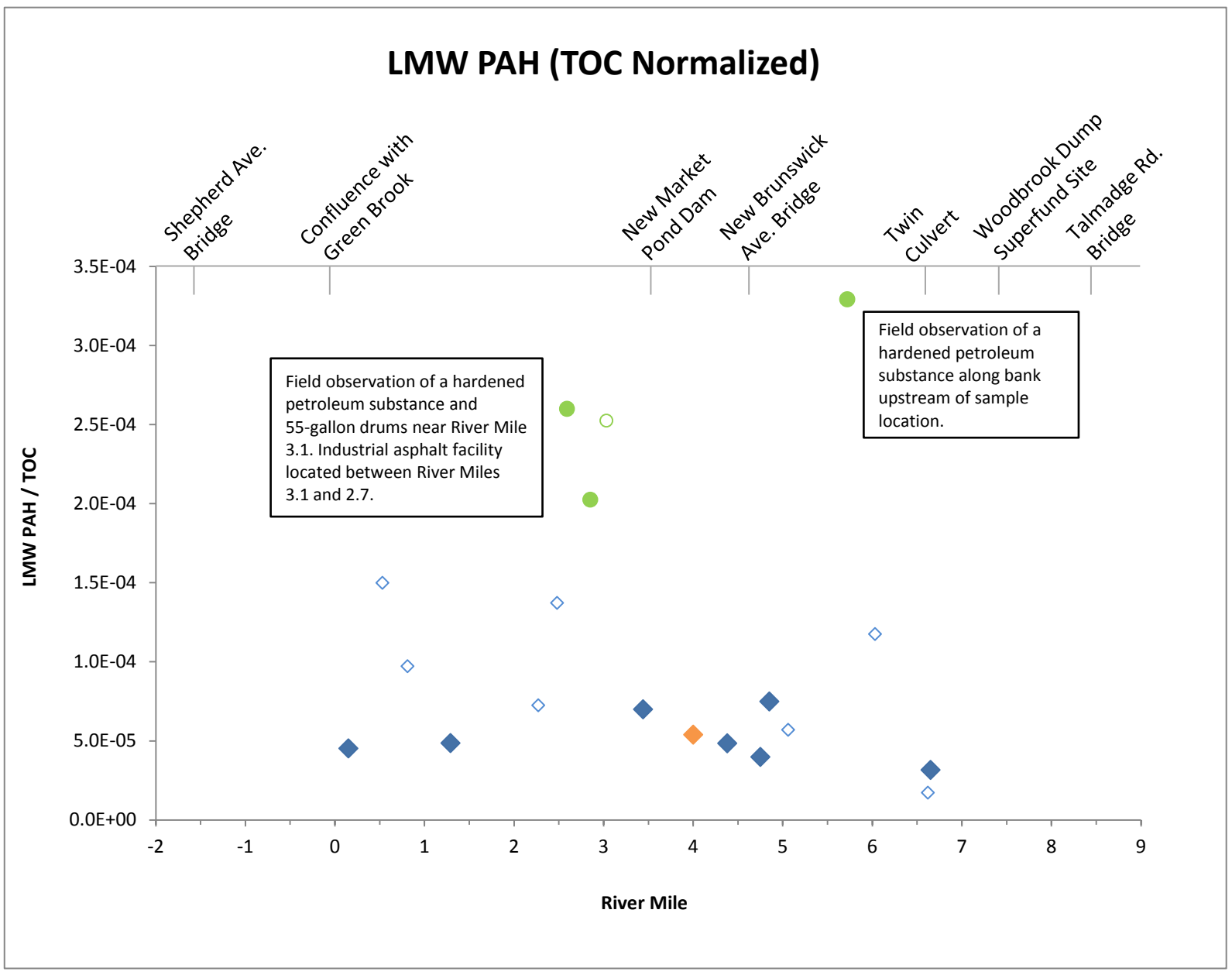
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

High Molecular Weight PAH Concentrations in Recently Deposited Sediment
Bound Brook OU4 R/FS

2013

FIGURE 6-2l





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (Be7 bearing, potentially site impacted)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing, potentially site impacted)
- April 2011 High Resolution Core Top (Be7 bearing)

TOC denotes Total Organic Carbon
LMW denotes Low Molecular Weight

NOTES:

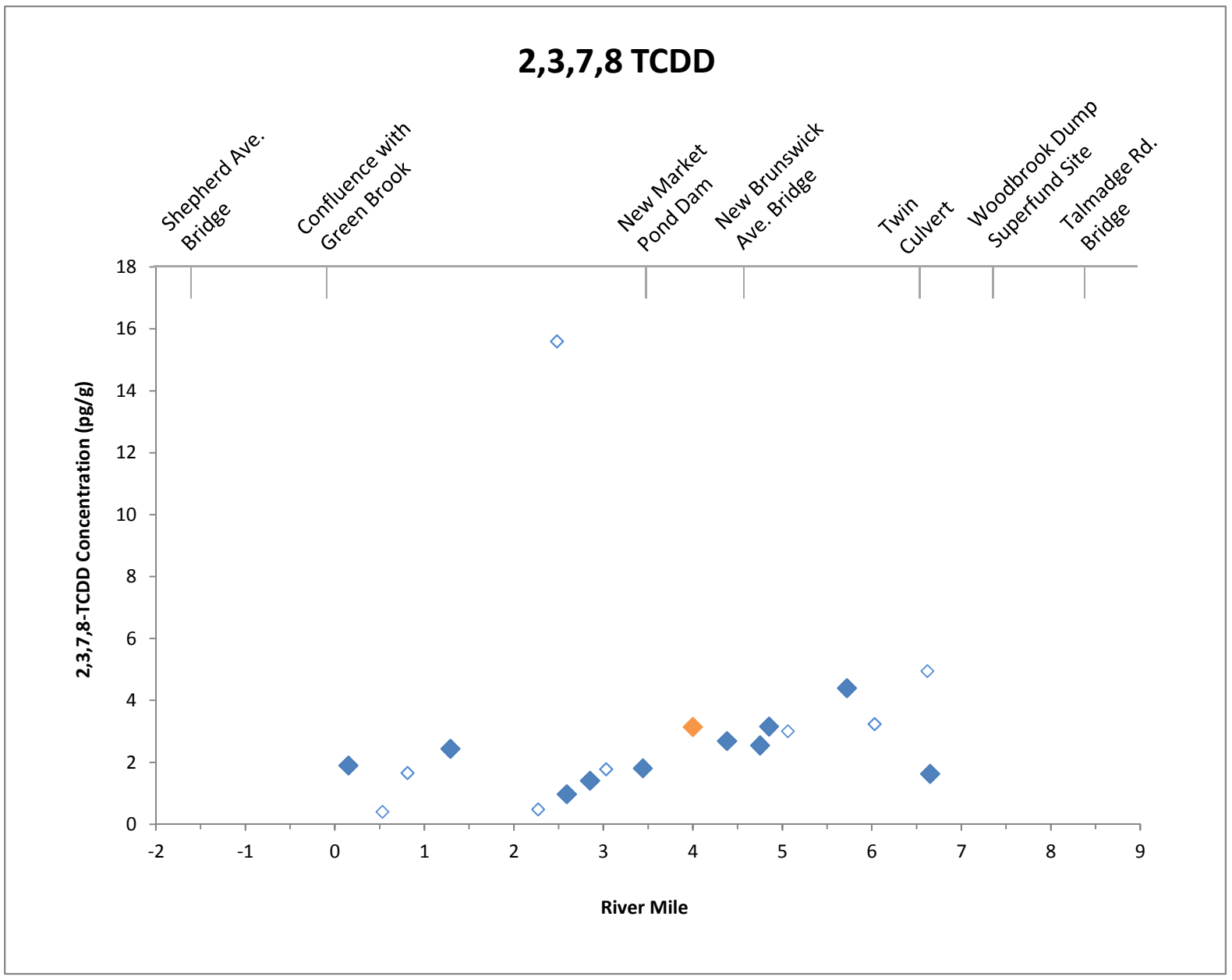
1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations were incorporated into the summation as zero.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

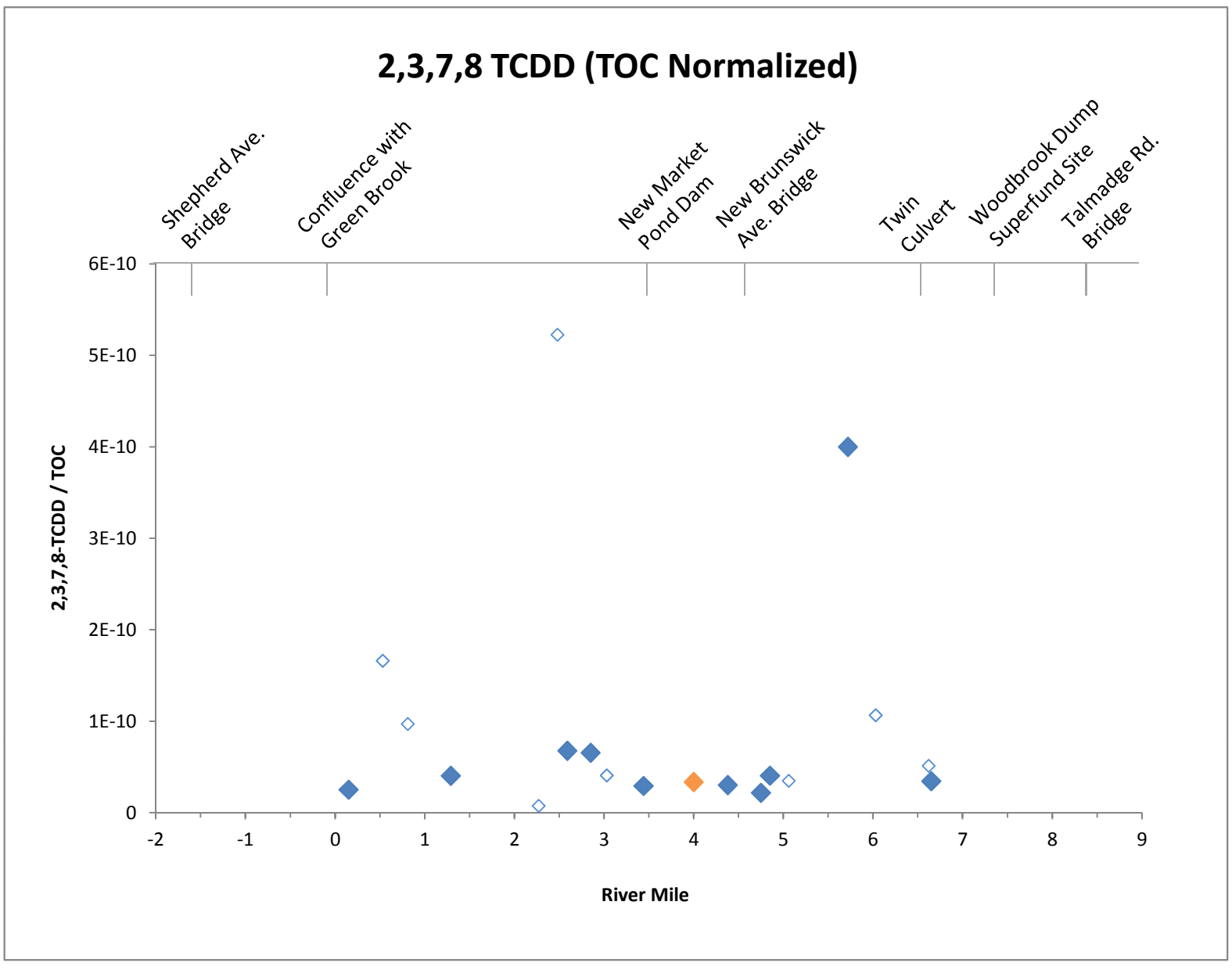
Cornell-Dubilier Electronics Superfund Site
South Plainfield, NJ

Low Molecular Weight PAH Concentrations in Recently Deposited Sediment
Bound Brook OU4 R/FS

2013

FIGURE 6-2m





LEGEND:

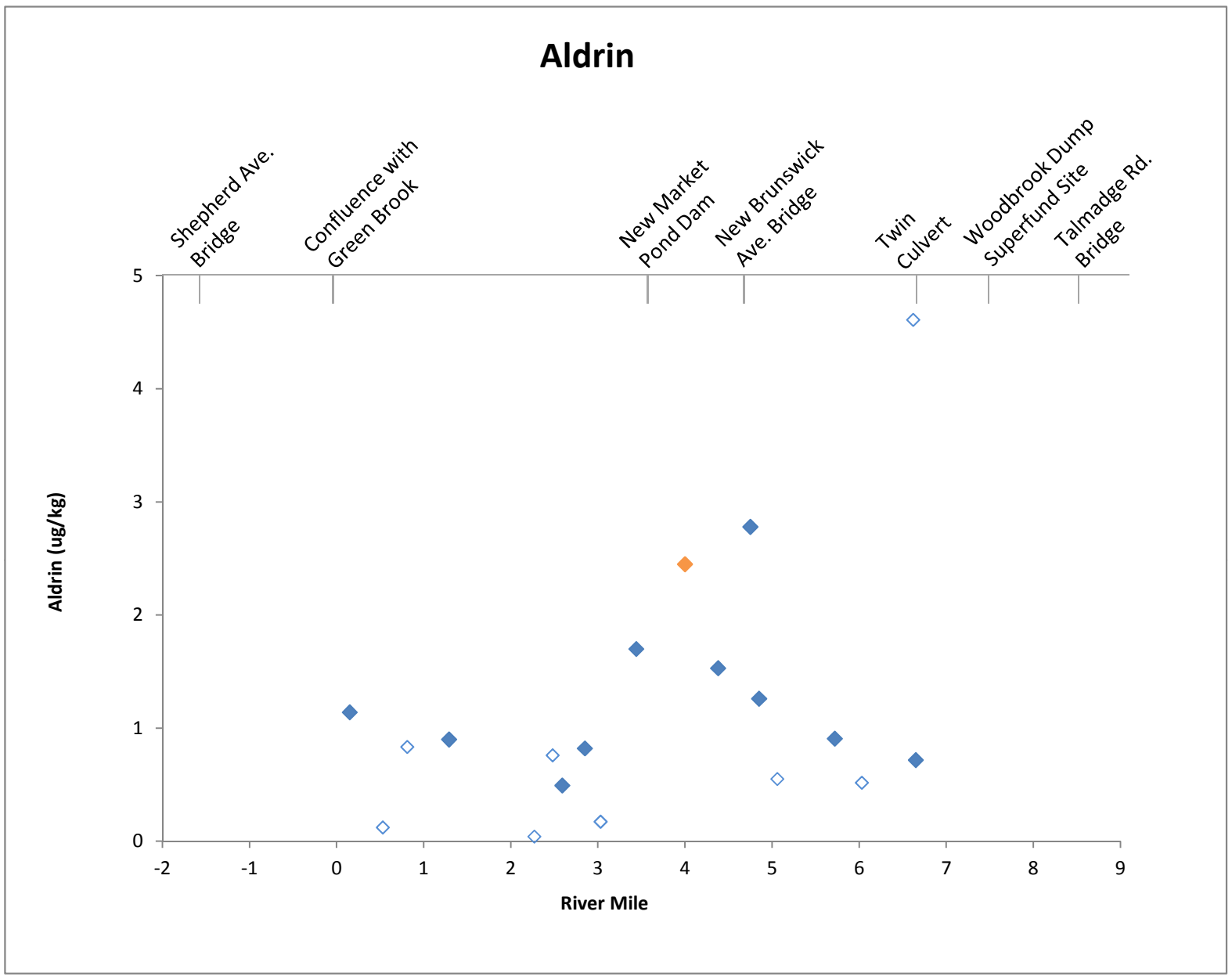
- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

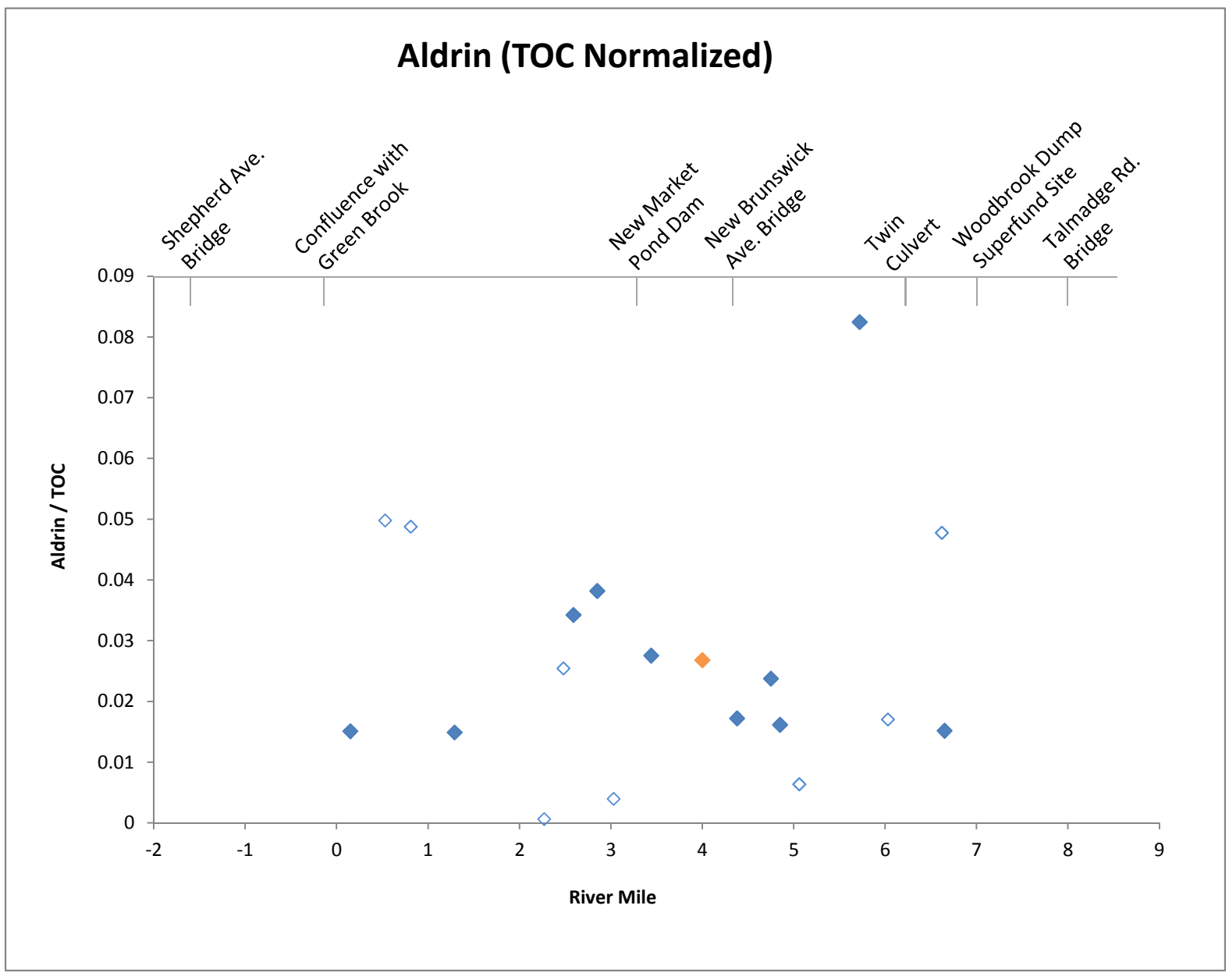
TOC denotes Total Organic Carbon

NOTES:

1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**2,3,7,8 TCDD Concentrations in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-2n





LEGEND:

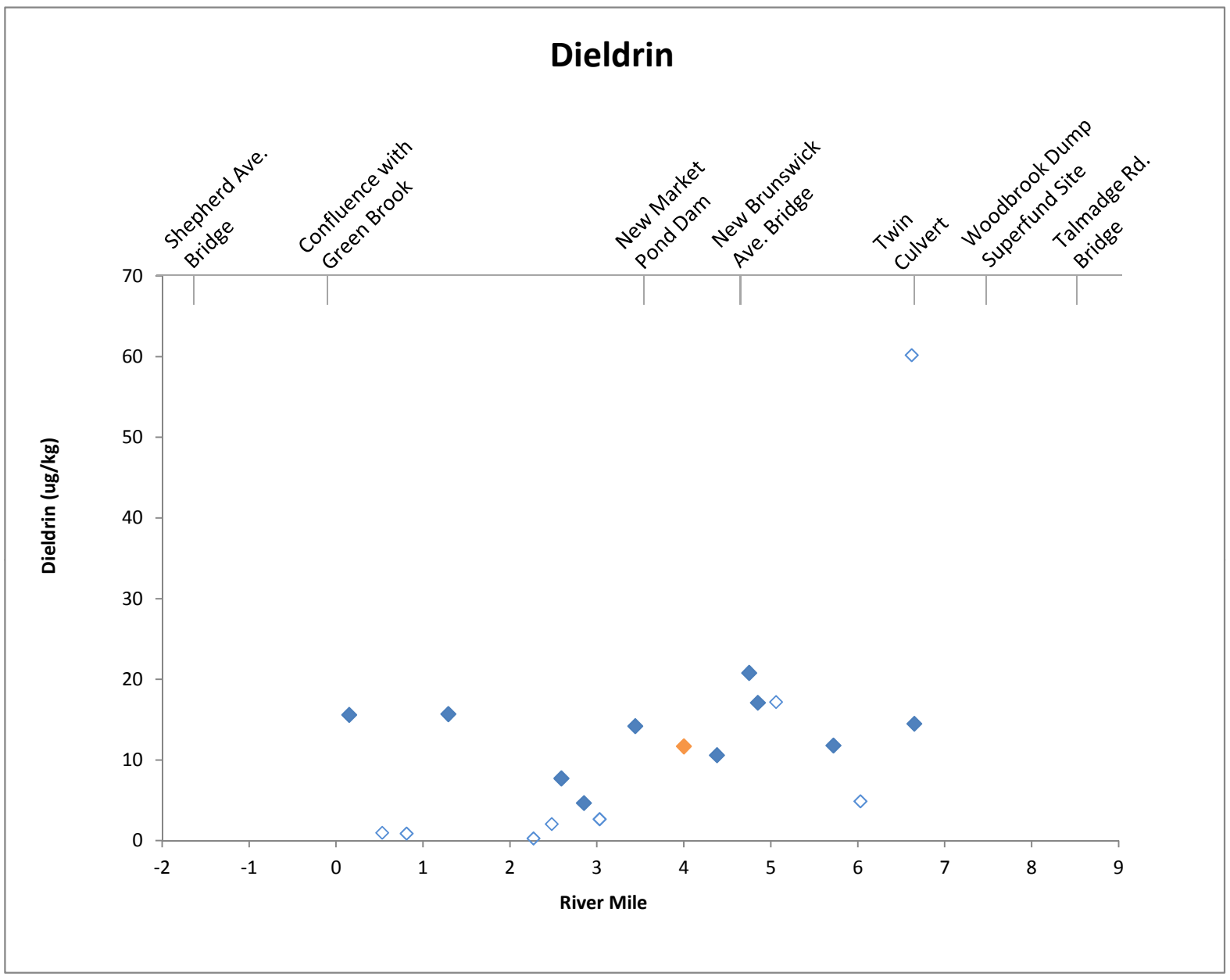
- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

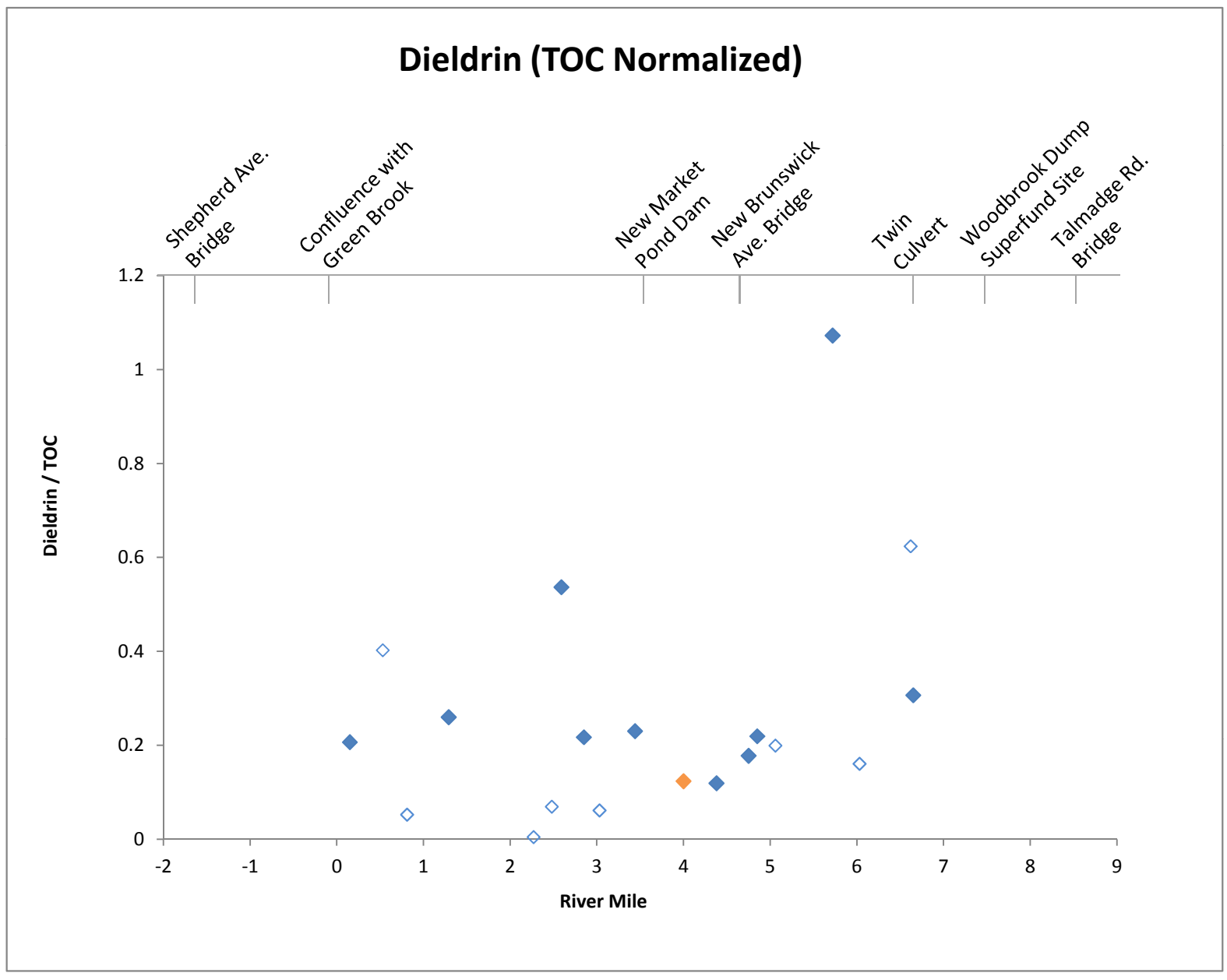
TOC denotes Total Organic Carbon

NOTES:

1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Aldrin Concentrations in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-2o





LEGEND:

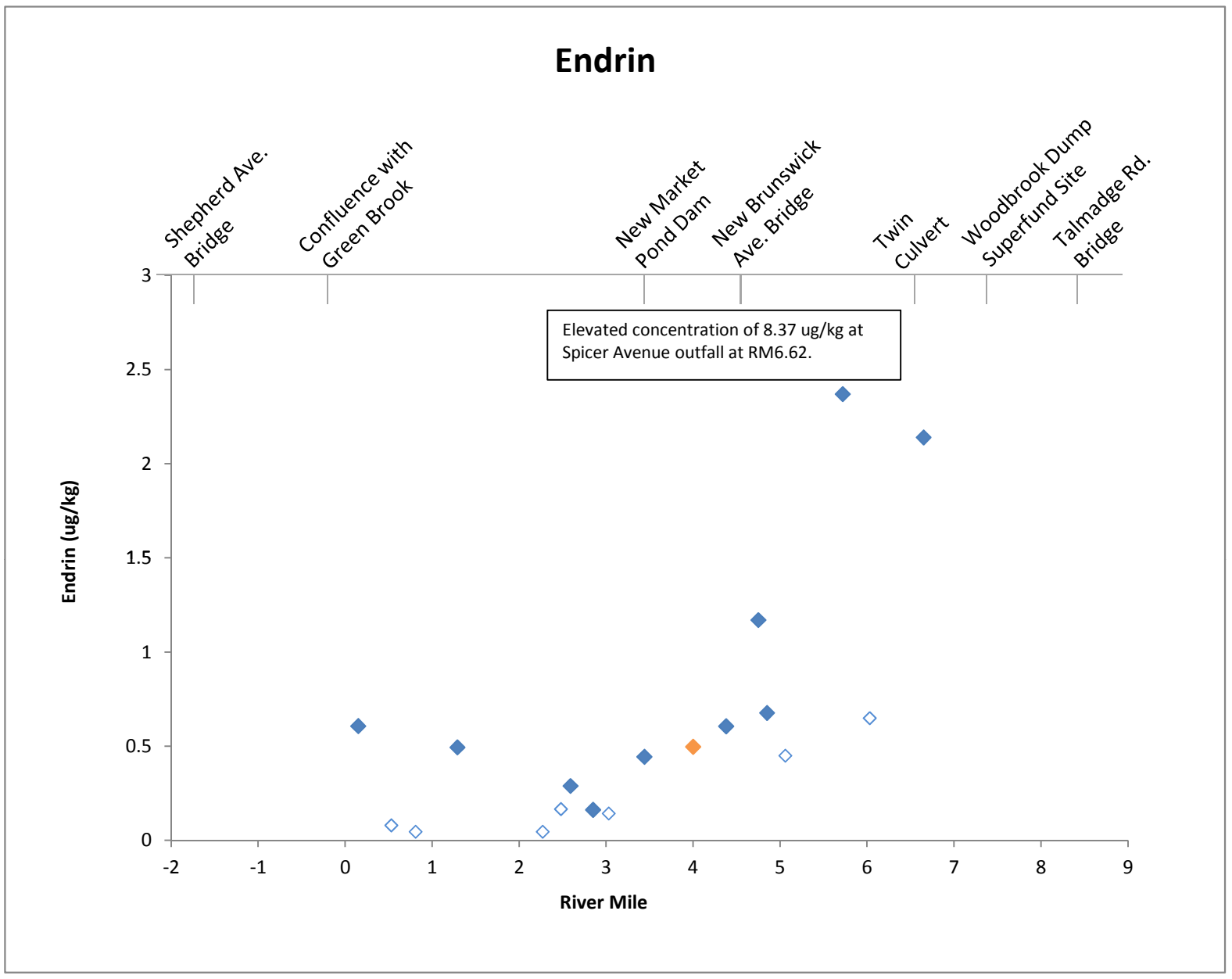
- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

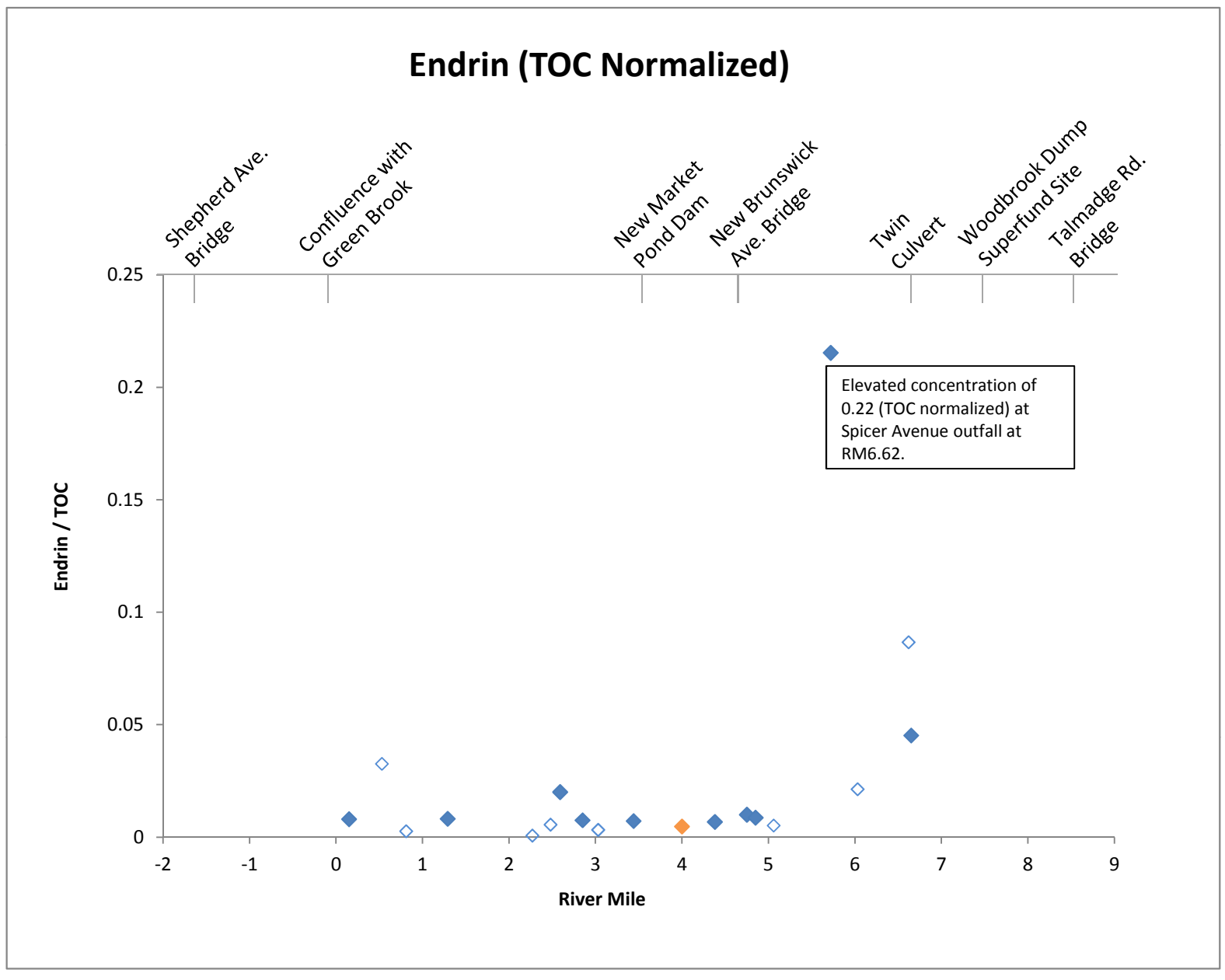
TOC denotes Total Organic Carbon

NOTES:

1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Dieldrin Concentrations in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-2p





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

TOC denotes Total Organic Carbon

NOTES:

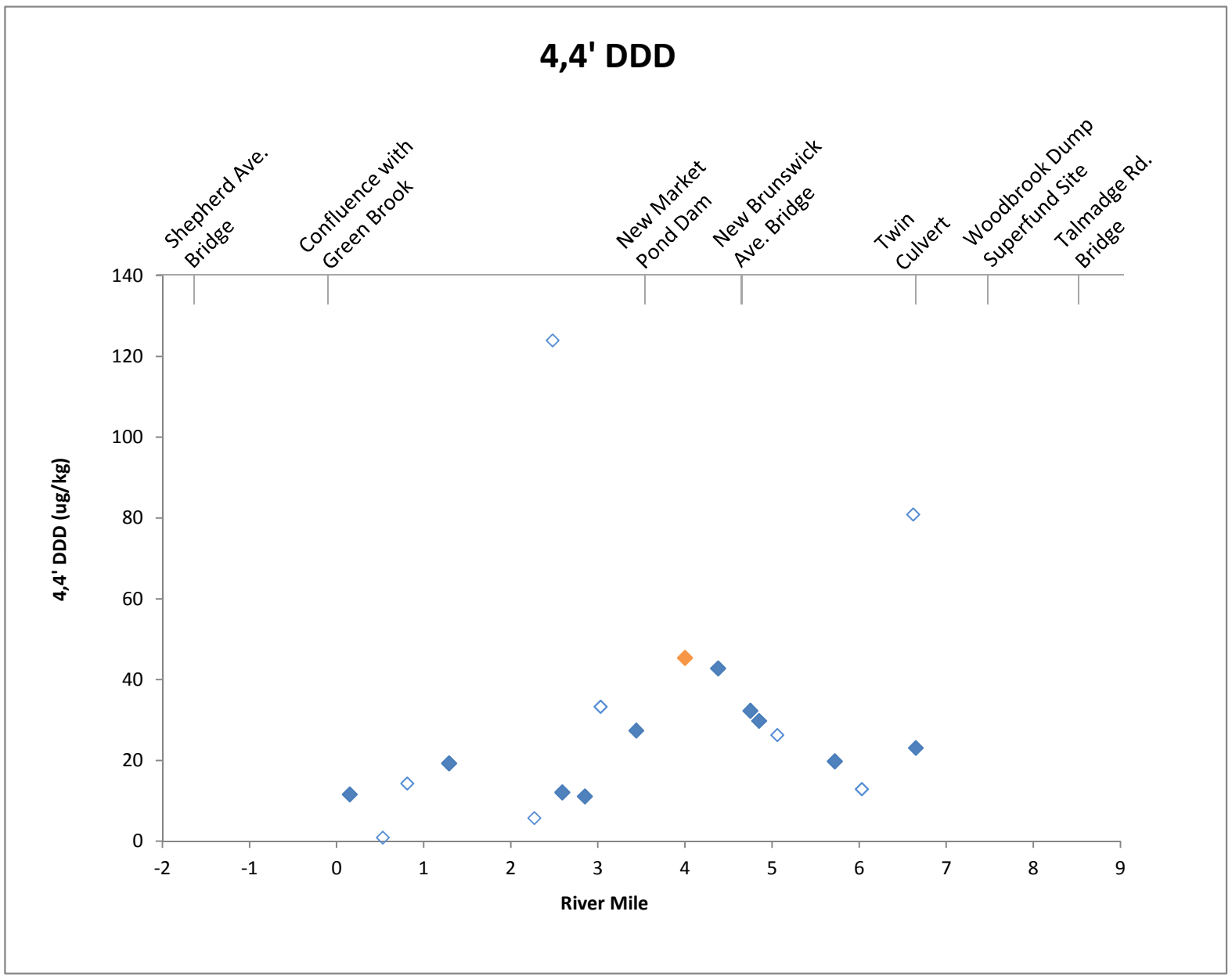
1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

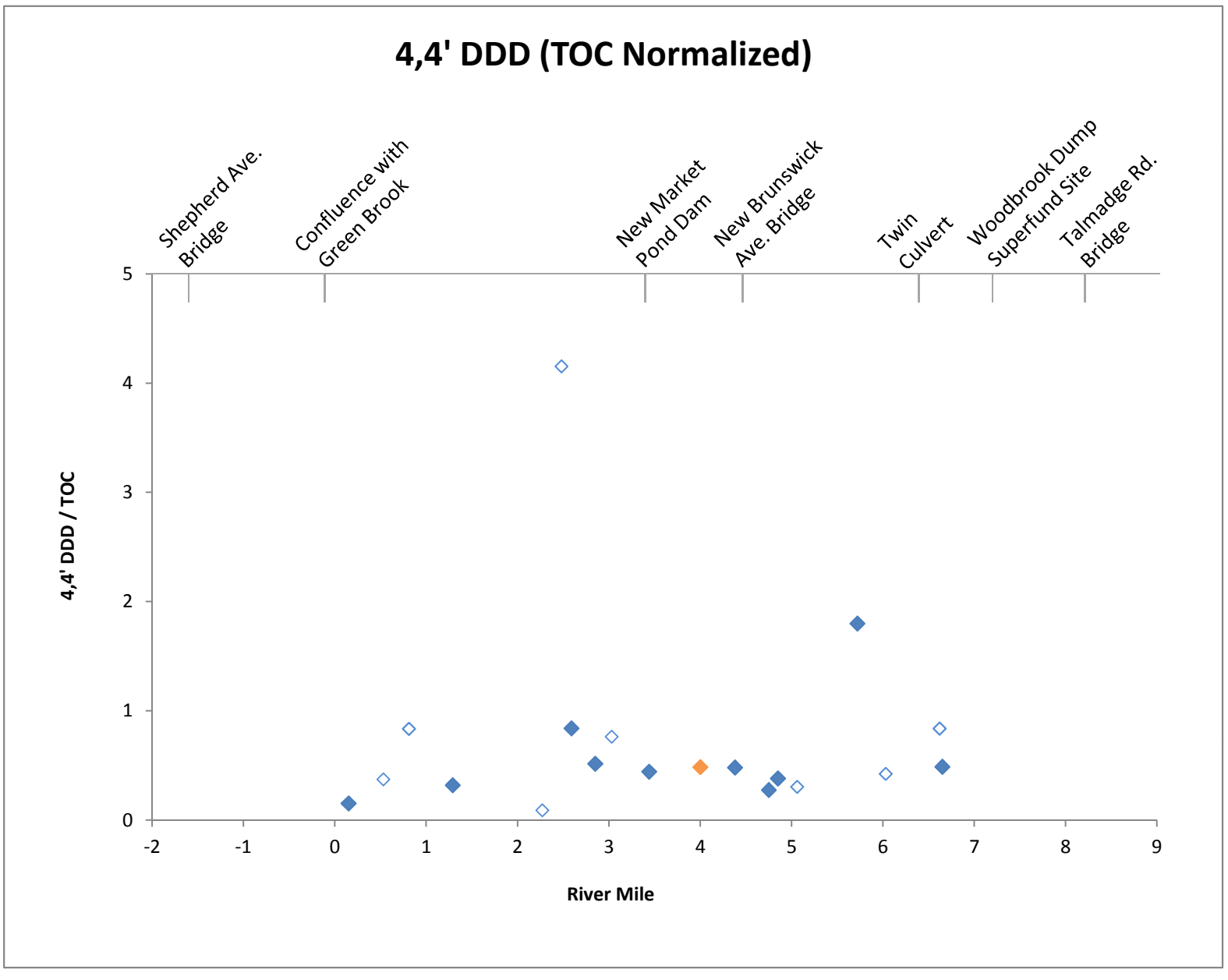
Cornell-Dubilier Electronics Superfund Site
South Plainfield, NJ

Endrin Concentrations in Recently Deposited Sediments
Bound Brook OU4 R/FS

2013

FIGURE 6-2q





LEGEND:

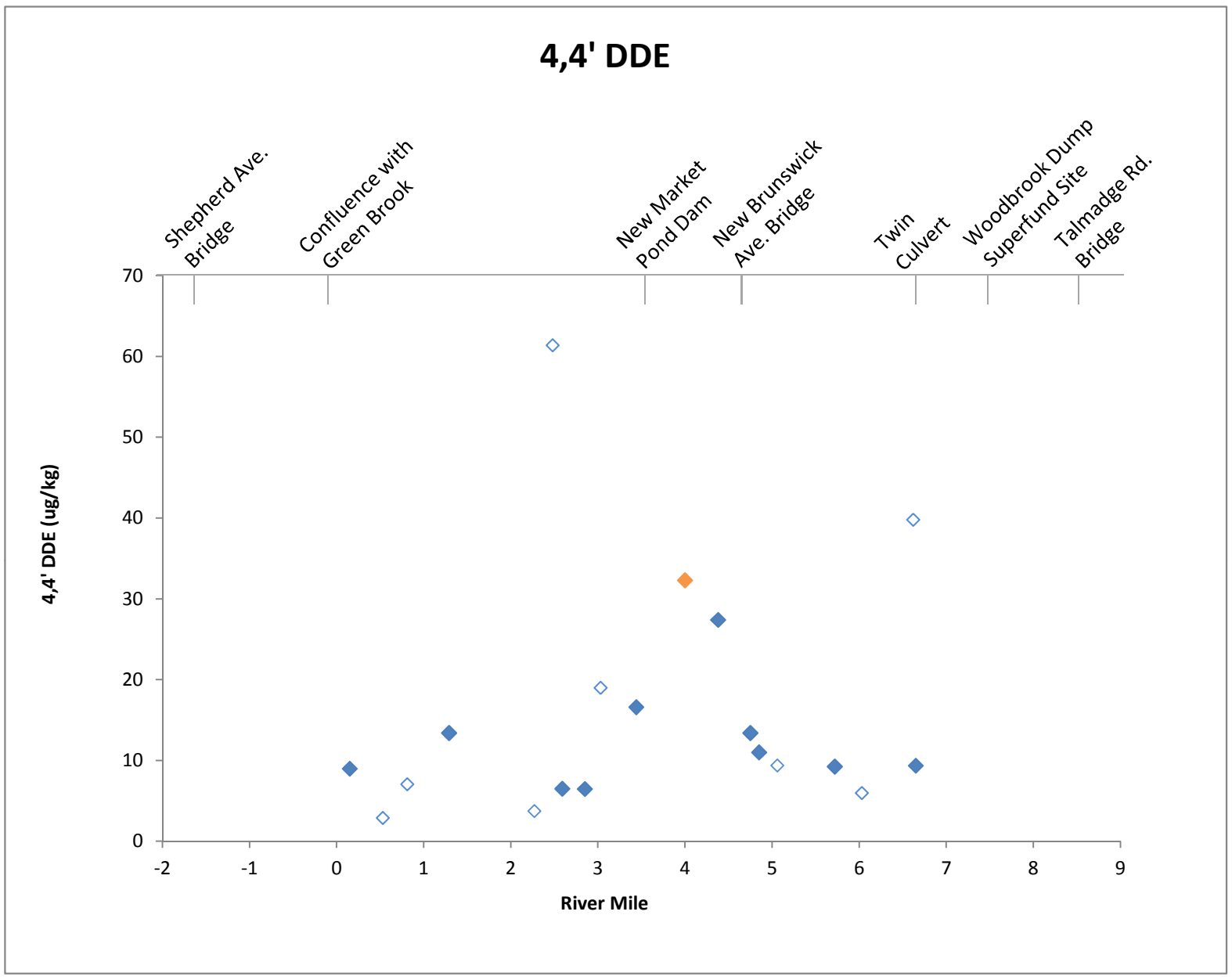
- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

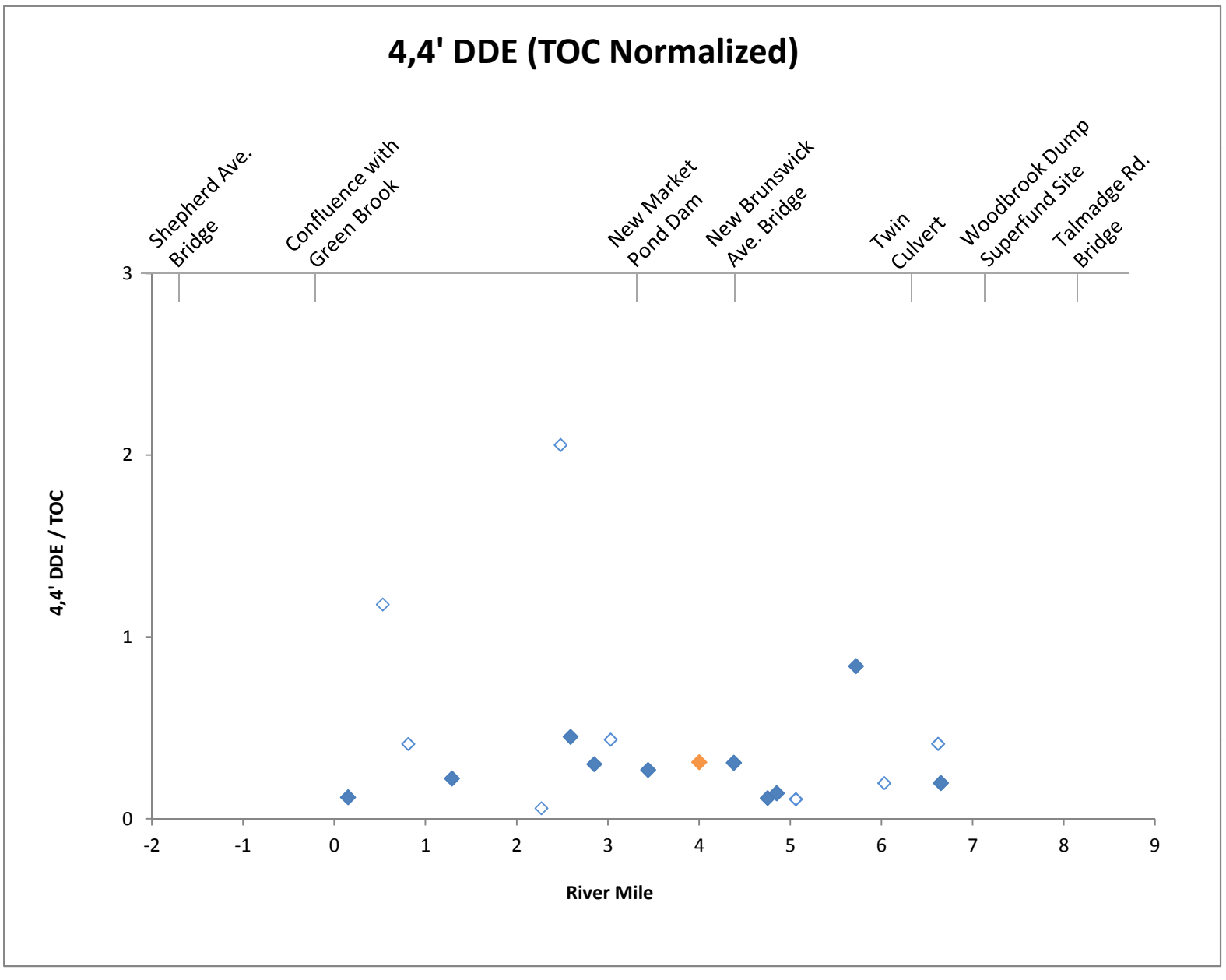
TOC denotes Total Organic Carbon

NOTES:

1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**4,4' DDD Concentrations in Recently Deposited Sediments** *Bound Brook OU4 R/FS*	2013 FIGURE 6-2r





LEGEND:

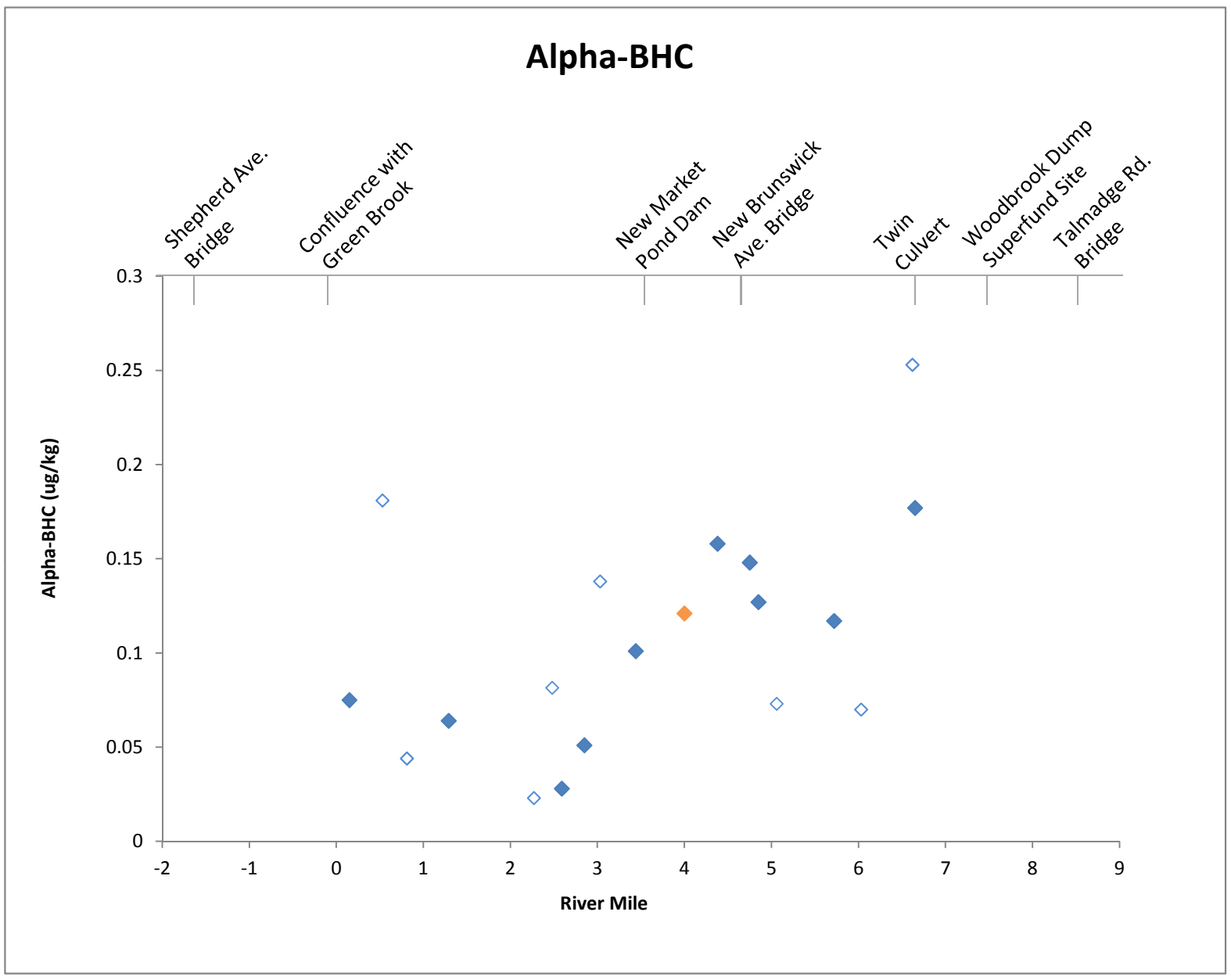
- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

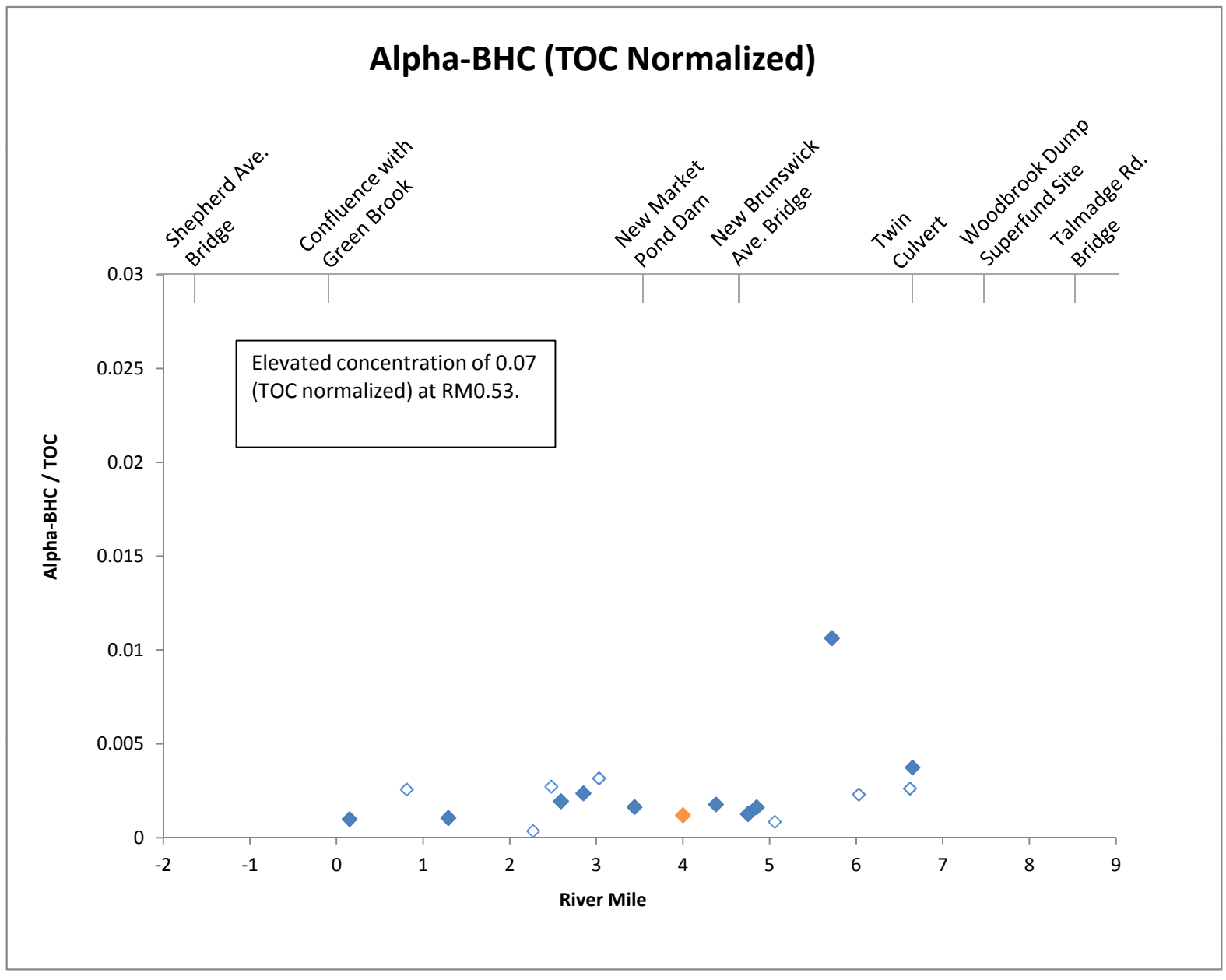
TOC denotes Total Organic Carbon

NOTES:

1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**4,4' DDE Concentrations in Recently Deposited Sediments** *Bound Brook OU4 R/FS*	2013 FIGURE 6-2s





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

TOC denotes Total Organic Carbon

NOTES:

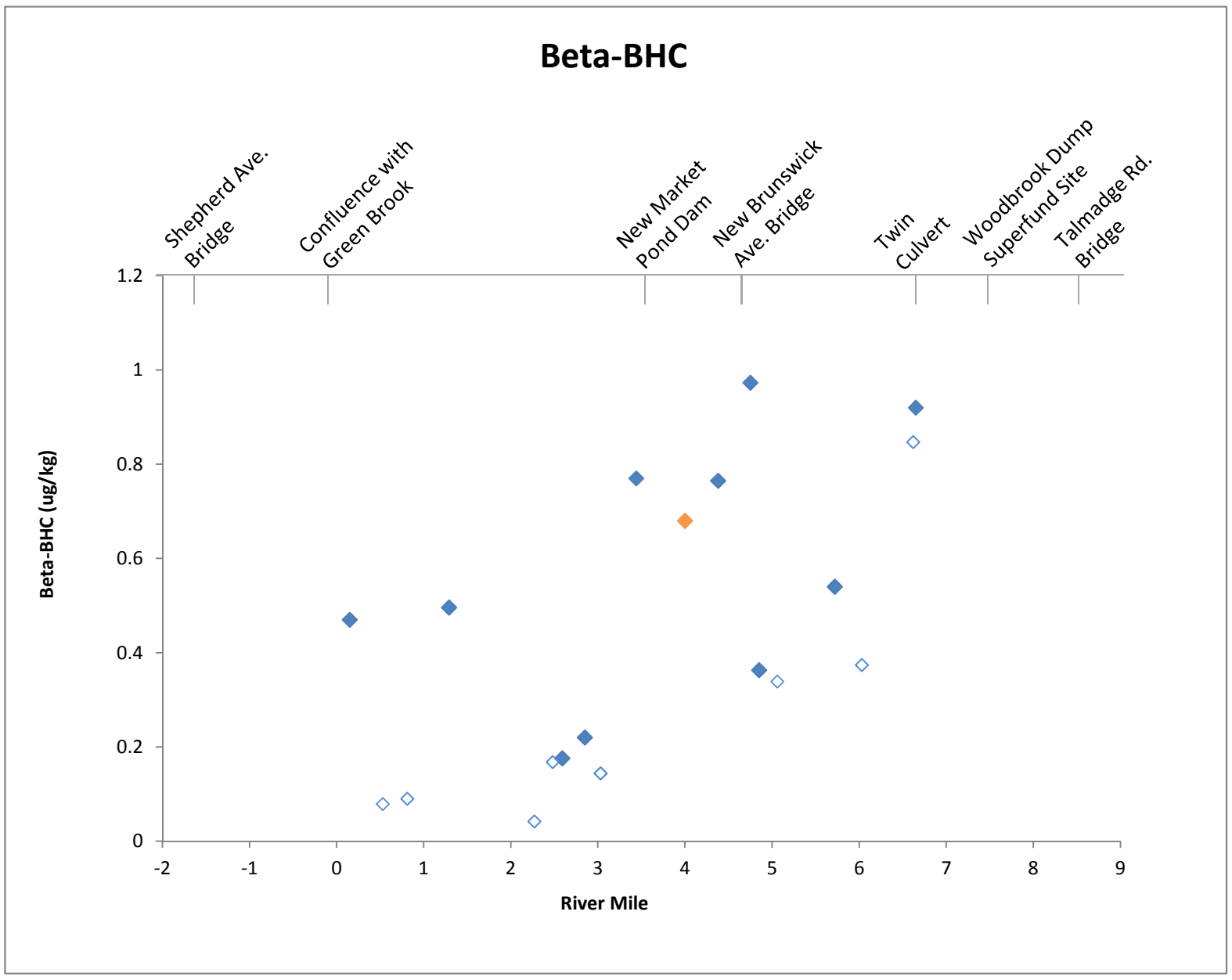
1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

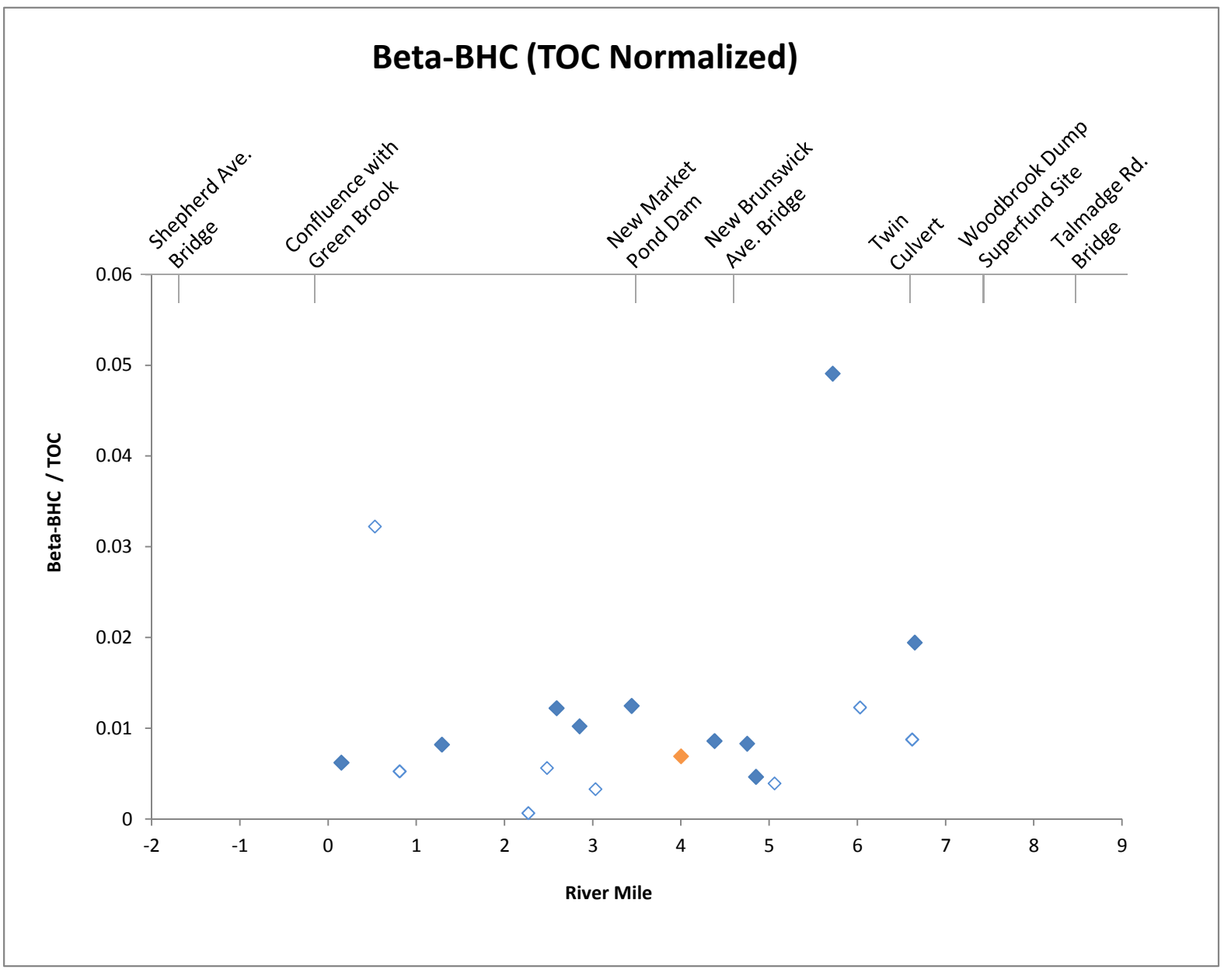
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Alpha-BHC Concentrations in Recently Deposited Sediments
Bound Brook OU4 R/FS

2013

FIGURE 6-2t





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

TOC denotes Total Organic Carbon

NOTES:

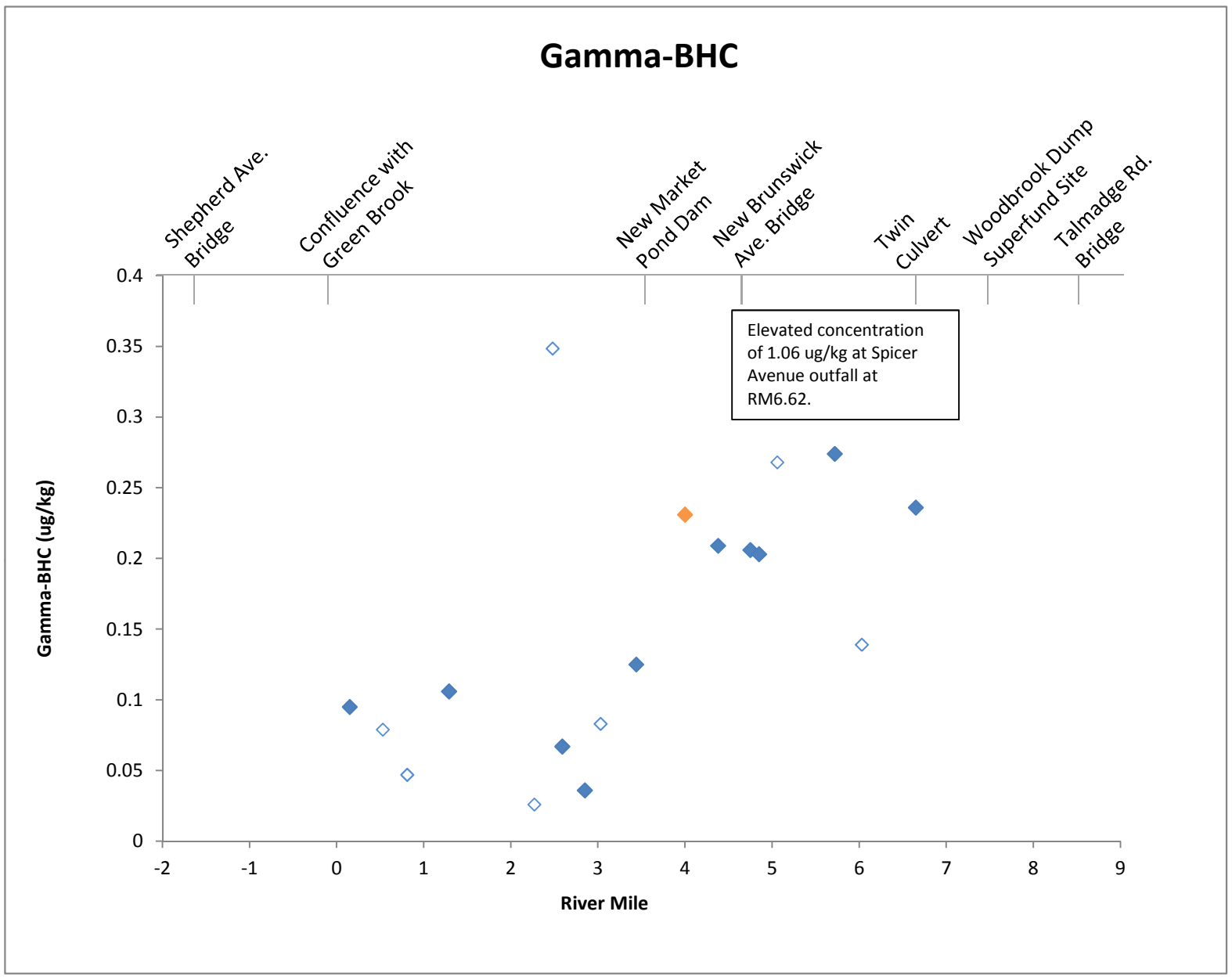
1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

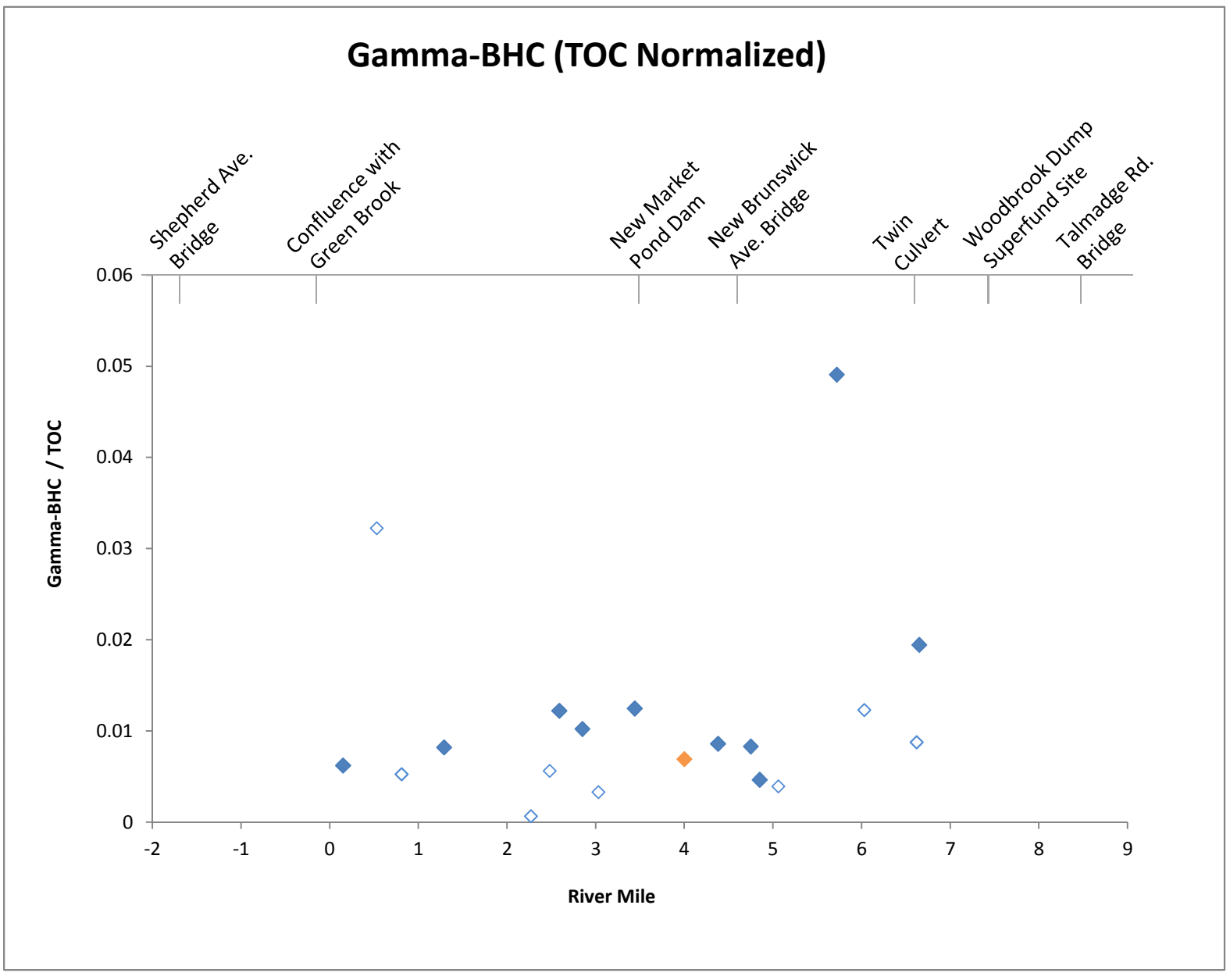
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Beta-BHC Concentrations in Recently Deposited Sediments
Bound Brook OU4 R/FS

2013

FIGURE 6-2u





LEGEND:

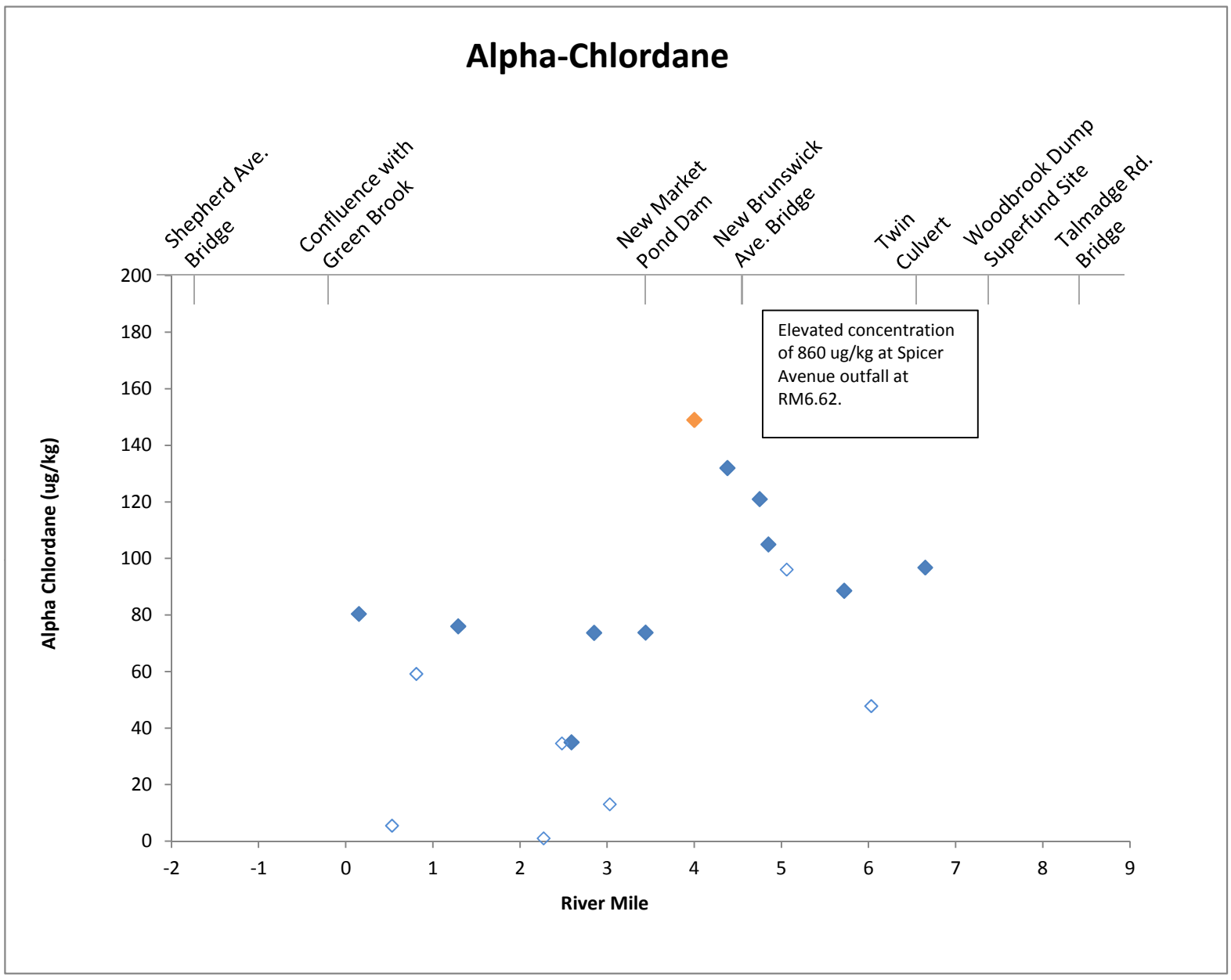
- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

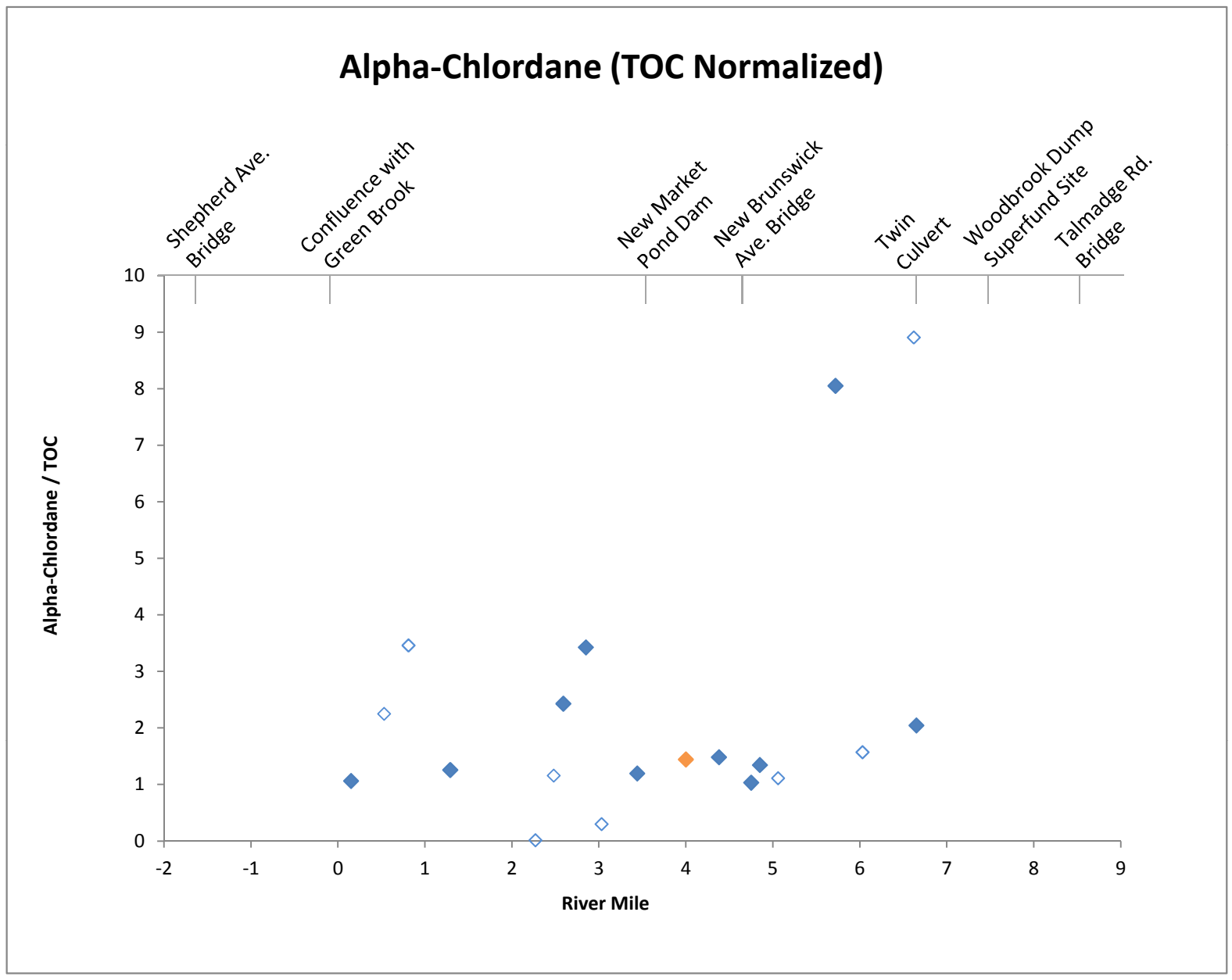
TOC denotes Total Organic Carbon

NOTES:

1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Gamma-BHC Concentrations in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-2v





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

TOC denotes Total Organic Carbon

NOTES:

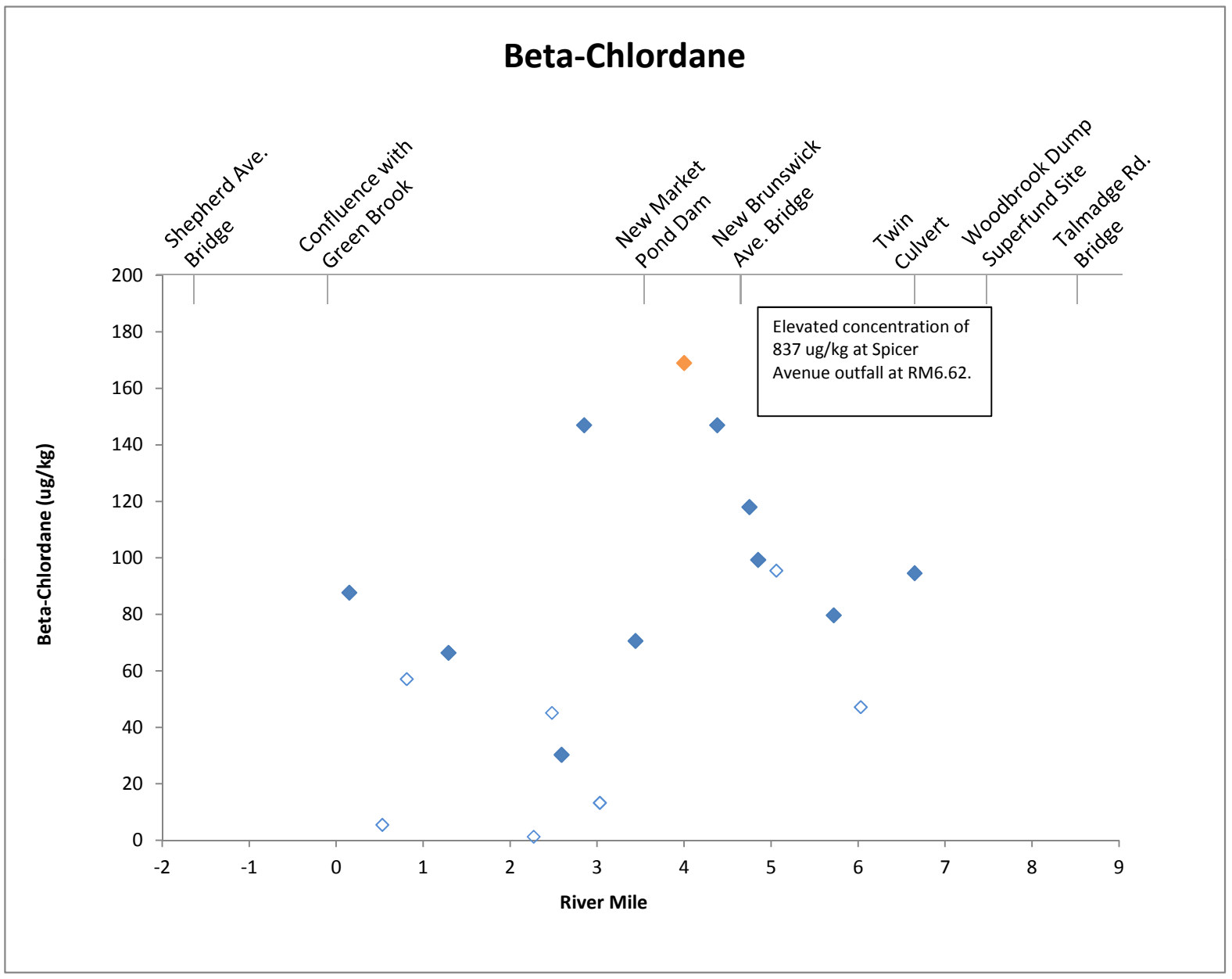
1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

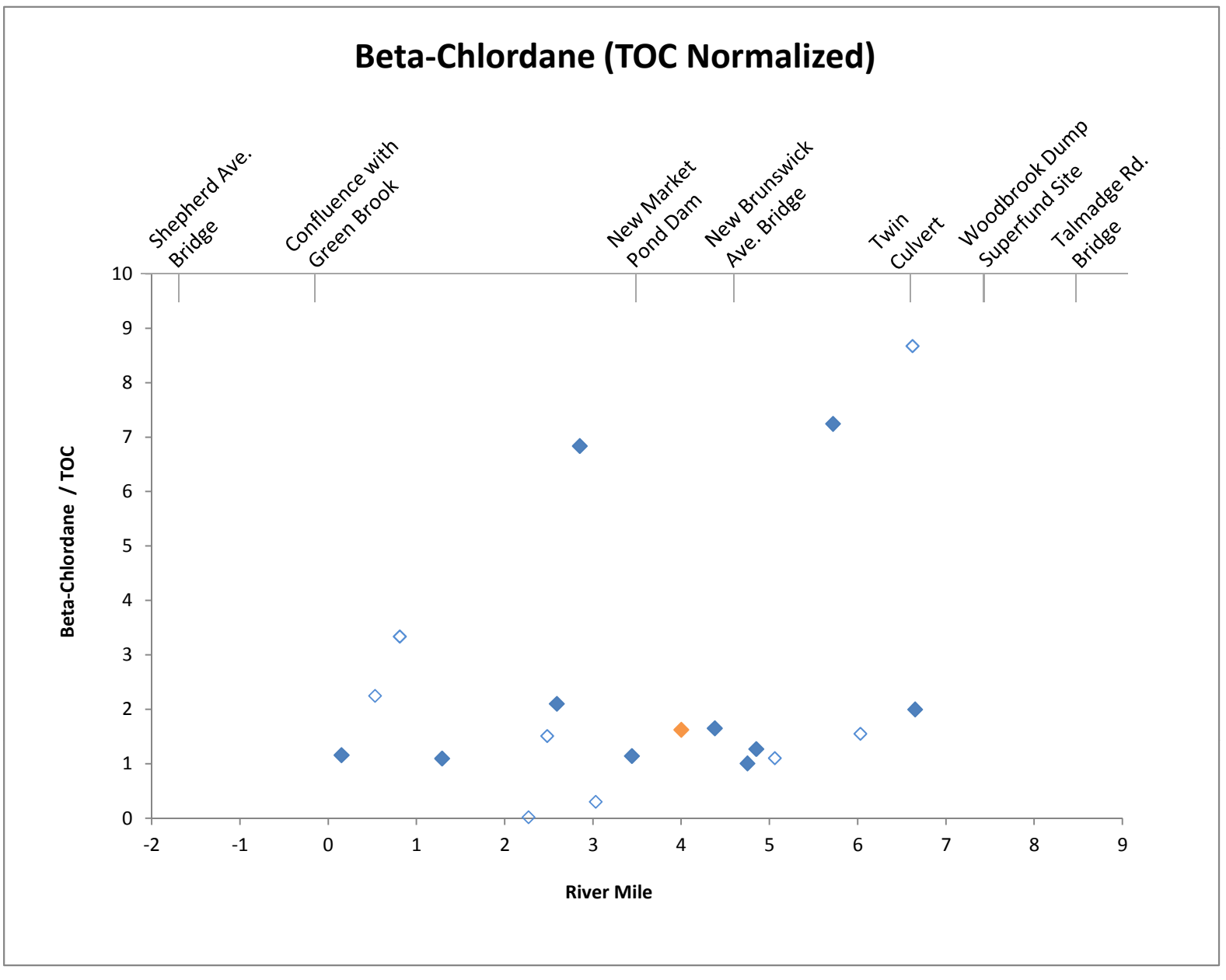
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Alpha-Chlordane Concentrations in Recently Deposited Sediments
Bound Brook OU4 R/FS

2013

FIGURE 6-2w





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

TOC denotes Total Organic Carbon

NOTES:

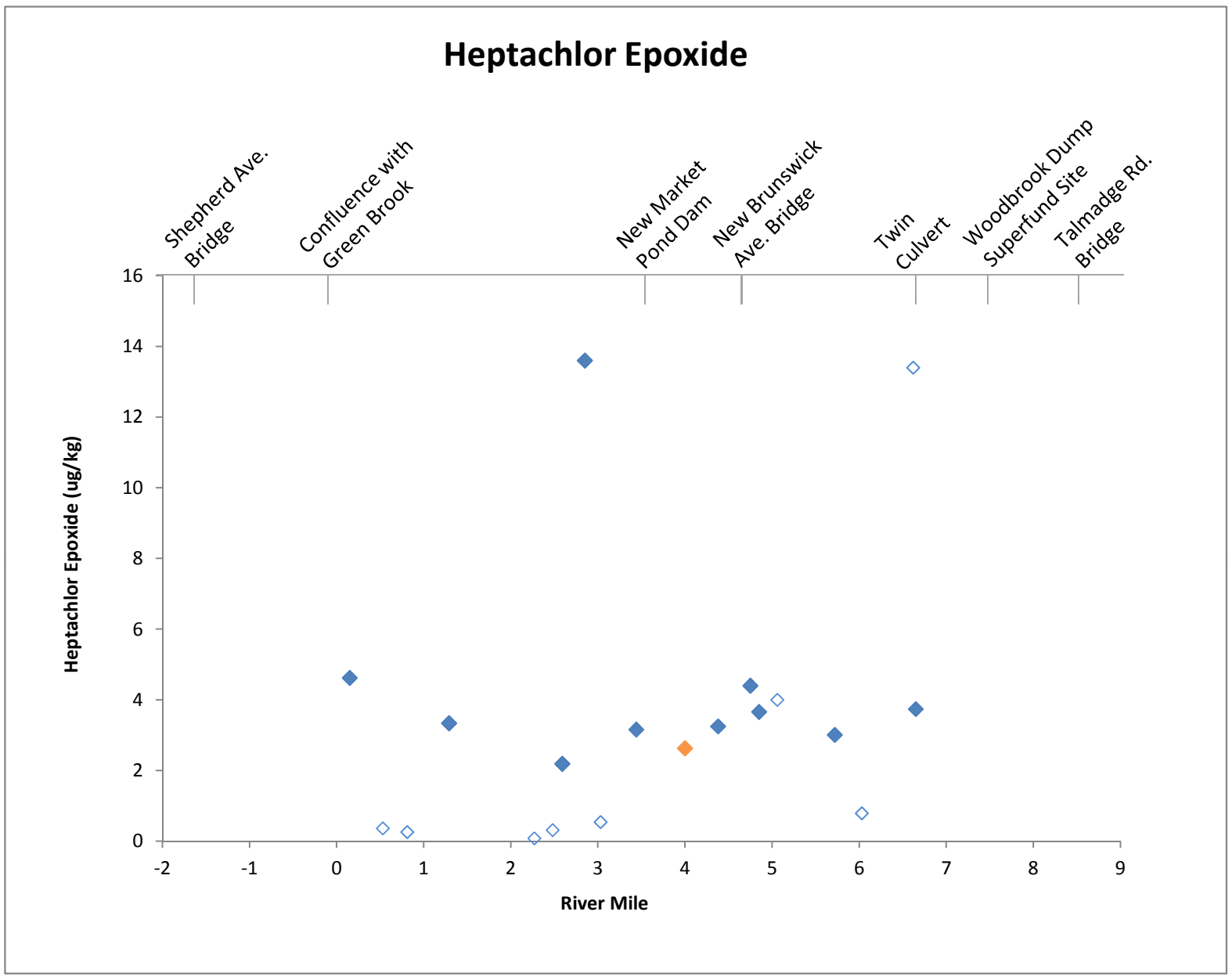
1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

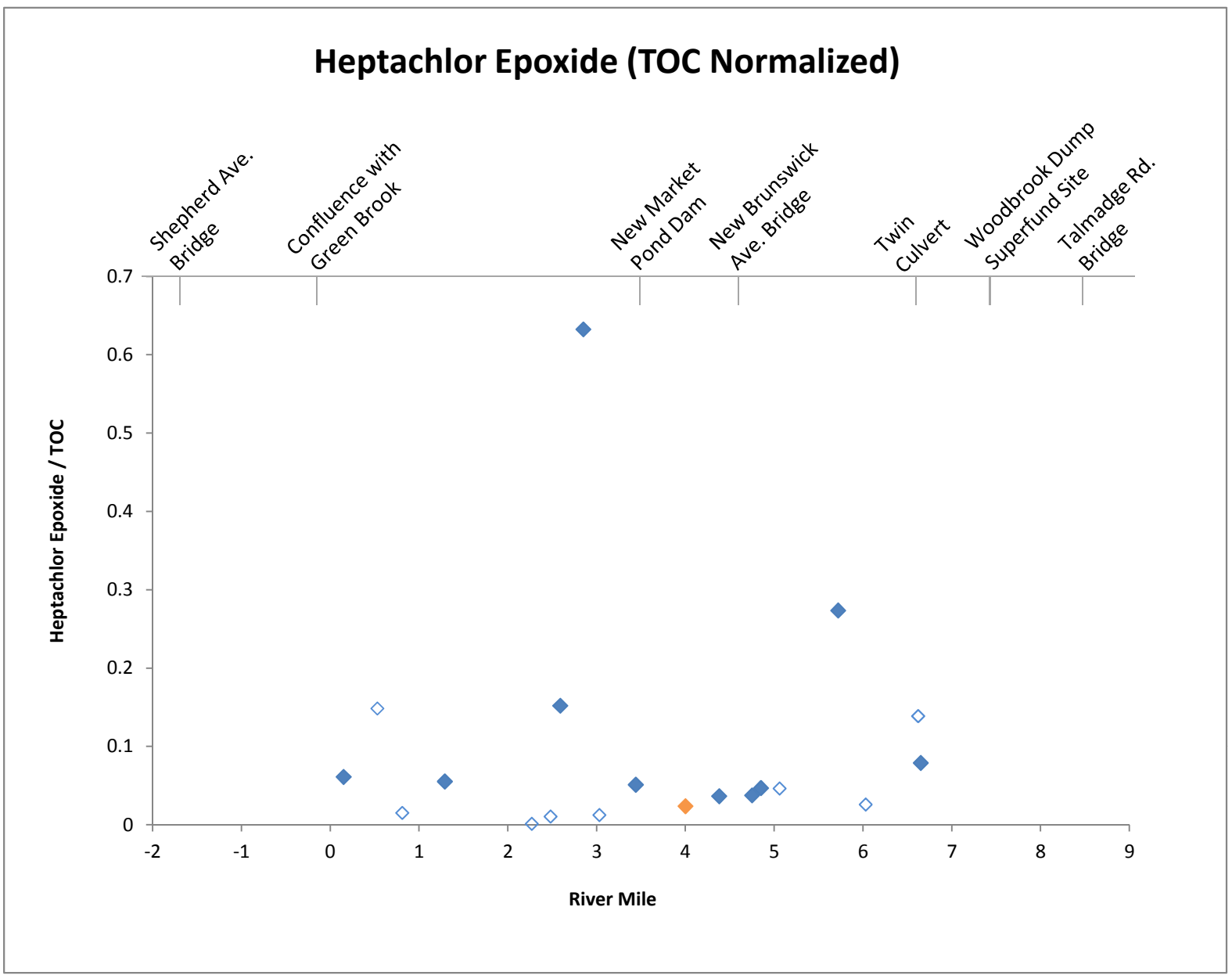
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Beta-Chlordane Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2x





LEGEND:

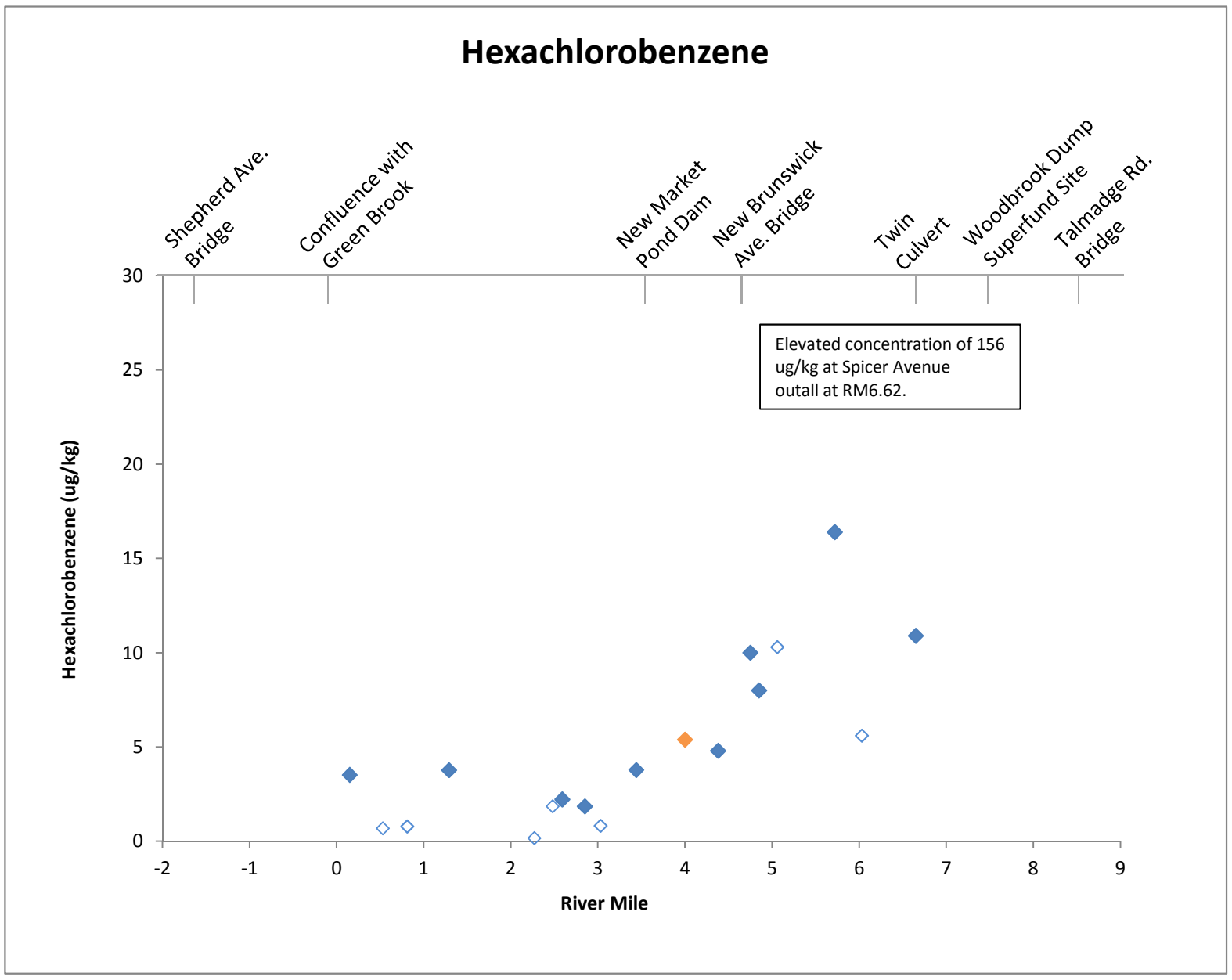
- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

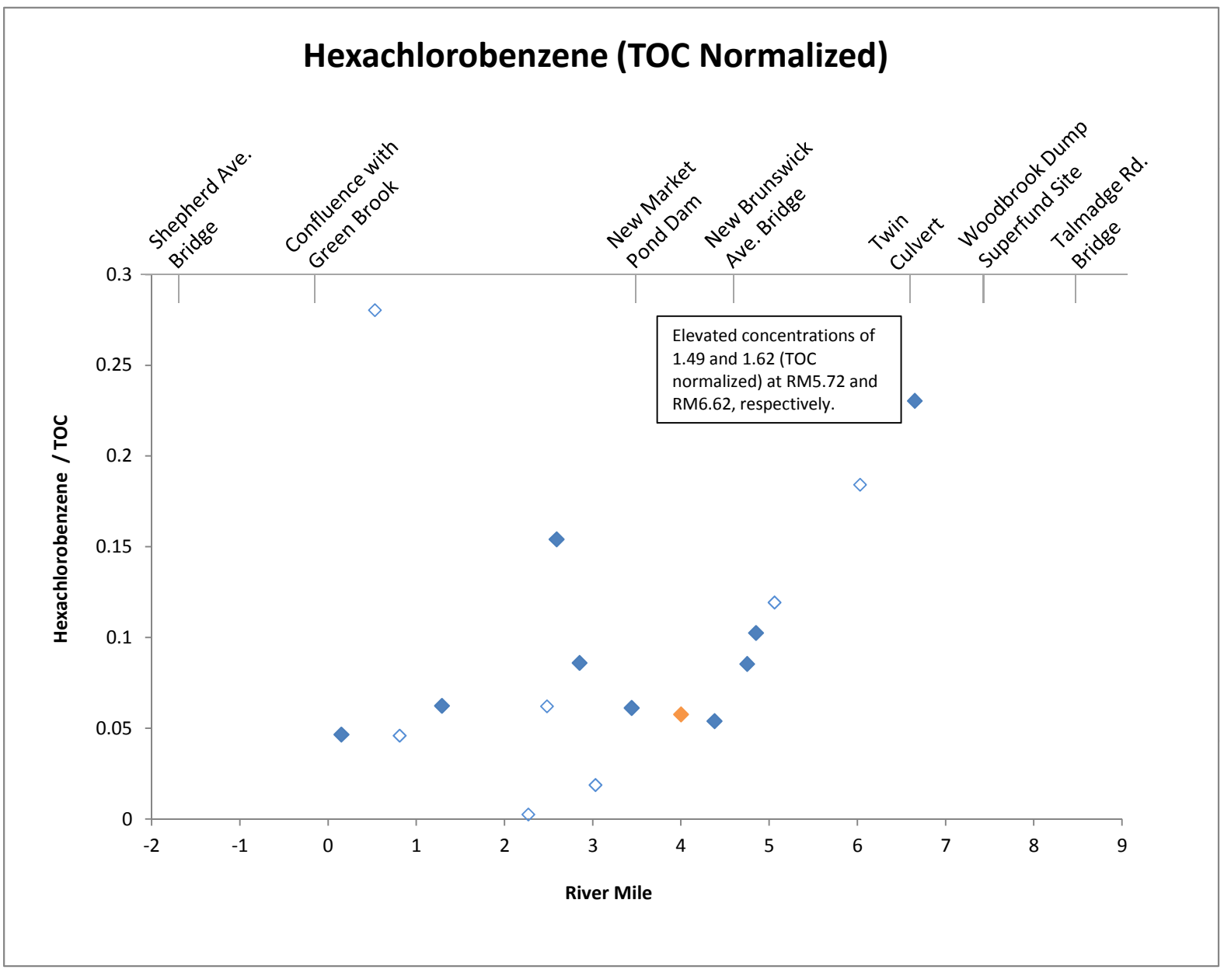
TOC denotes Total Organic Carbon

NOTES:

1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Heptachlor Epoxide Concentrations in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-2y





LEGEND:

- April 2011 Surface Sediment (Be7 bearing)
- April 2011 Surface Sediment (non-Be7 bearing)
- April 2011 High Resolution Core Top (Be7 bearing)

TOC denotes Total Organic Carbon

NOTES:

1. Filled symbols indicate the presence of Be7 at a concentration greater than 0.5 pCi/g; open symbols indicate a Be7 concentration less than 0.5 pCi/g.
2. For samples with field duplicates, the average concentration is presented.
3. Nondetected concentrations are presented as half the method detection limit.
4. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.

Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Hexachlorobenzene Concentrations in Recently Deposited Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-2z

Photograph Description: Flooding of Bound Brook at Clinton Avenue Bridge before and after storm events – looking north.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Flooding in OU4 Bound Brook Study Area associated with Hurricane Irene and Tropical Storm Lee** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-3a

Photograph Description: Flooding of Spring Lake outlet before and after storm events - looking upstream from Cedar Brook.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Flooding in OU4 Bound Brook Study Area associated with Hurricane Irene and Tropical Storm Lee** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-3b

Photograph Description: Flooding of unnamed tributary near New Brunswick Avenue before and after storm events.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Flooding in OU4 Bound Brook Study Area associated with Hurricane Irene and Tropical Storm Lee** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-3c

Photograph Description: Flooding of roads from Bound Brook in Cap Lane neighborhood – looking south from north side of brook (brook runs perpendicular to Cap Lane).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Flooding in OU4 Bound Brook Study Area associated with Hurricane Irene and Tropical Storm Lee** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-3d

Photograph Description: Flooding of New Market Pond onto roadway near Elsie Road – look north from south side of brook.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Flooding in OU4 Bound Brook Study Area associated with Hurricane Irene and Tropical Storm Lee** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-3e

Photograph Description: Flooding of Bound Brook at New Brunswick Bridge construction site.

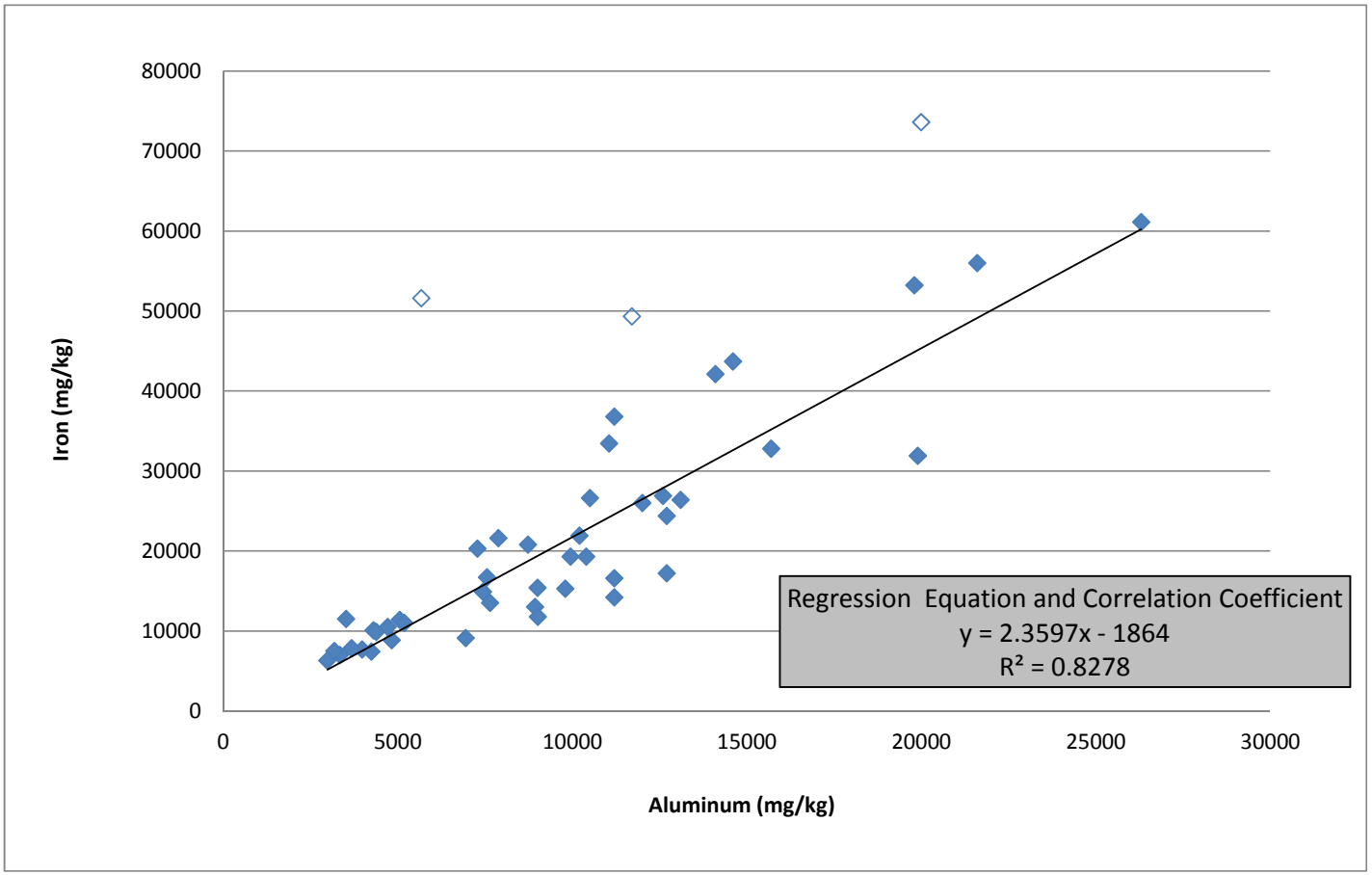
	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Flooding in OU4 Bound Brook Study Area associated with Hurricane Irene and Tropical Storm Lee** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-3f

Photograph Description: Debris carried overland into park adjacent to New Market Pond by flooding of Bound Brook and New Market Pond.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Flooding in OU4 Bound Brook Study Area associated with Hurricane Irene and Tropical Storm Lee** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-3g

Photograph Description: New Market Pond Dam at RM3.4 with flow release during Hurricane Irene and Tropical Storm Lee.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Flooding in OU4 Bound Brook Study Area associated with Hurricane Irene and Tropical Storm Lee** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-3h



LEGEND:

- Contaminant (mg/kg) included in regression
- Contaminant (mg/kg) not included in regression
- Regression Line

NOTES:

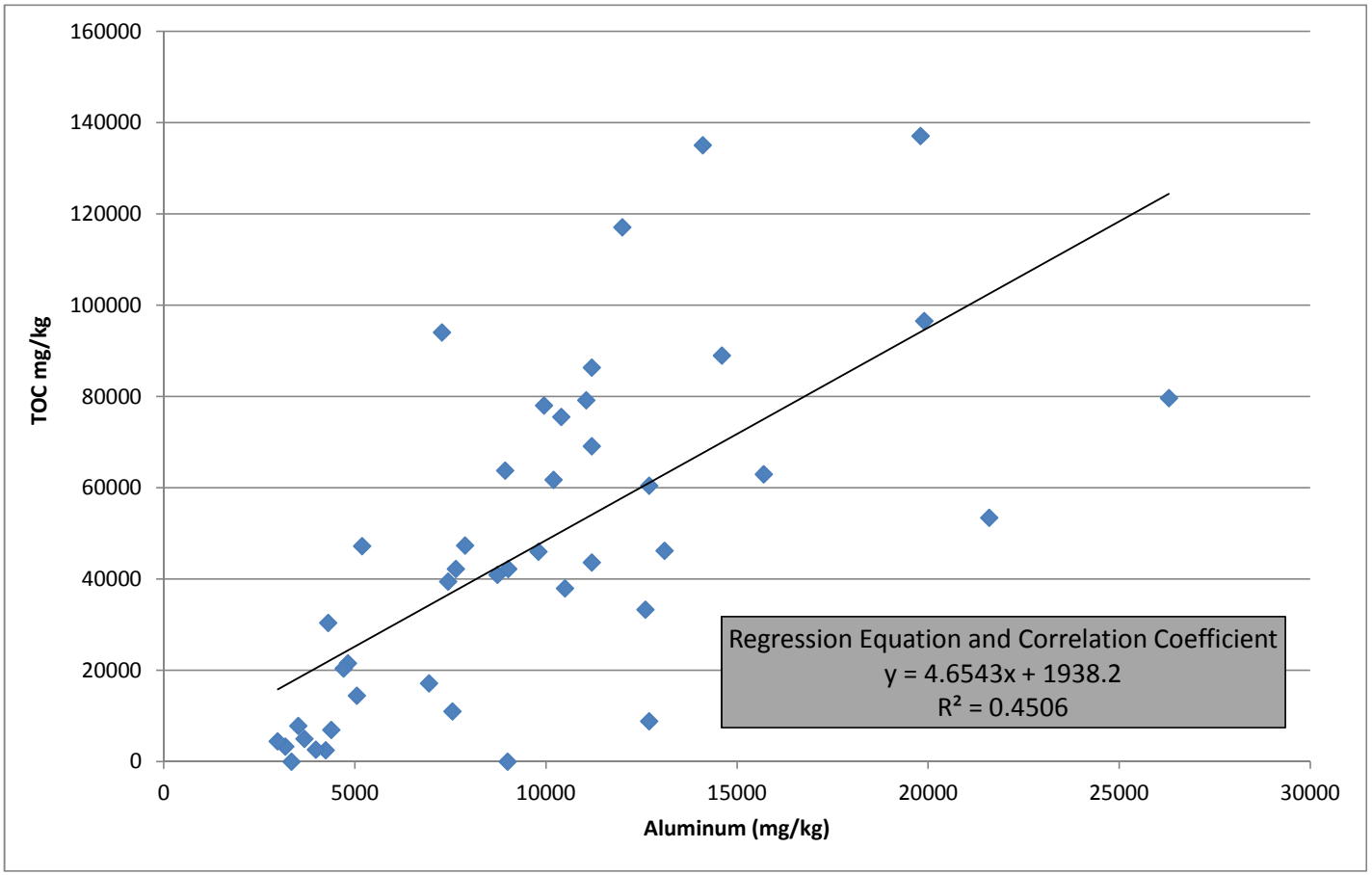
1. For samples with field duplicates, the average concentration is presented.
2. Regression equation and correlaton coefficient calculated by Microsoft Excel.
3. Data sets shown include April 2011 Ekman Samples, November 2011 Ekman Samples, and November 2011 Sediment Trap Samples.

Cor[illegible]ell-Du[illegible]ilier El[illegible]ronic
Sup[illegible]rfund Sit[illegible]
Sou[illegible]h Plai[illegible]field, [illegible]

Iron versus Aluminum Correlation in Recently Deposited Sedimen[illegible]
Bound Brook OU[illegible] RI/FS

2013

FIGURE 6-4a



LEGEND:

- Contaminant (mg/kg) included in regression
- Regression Line

NOTES:

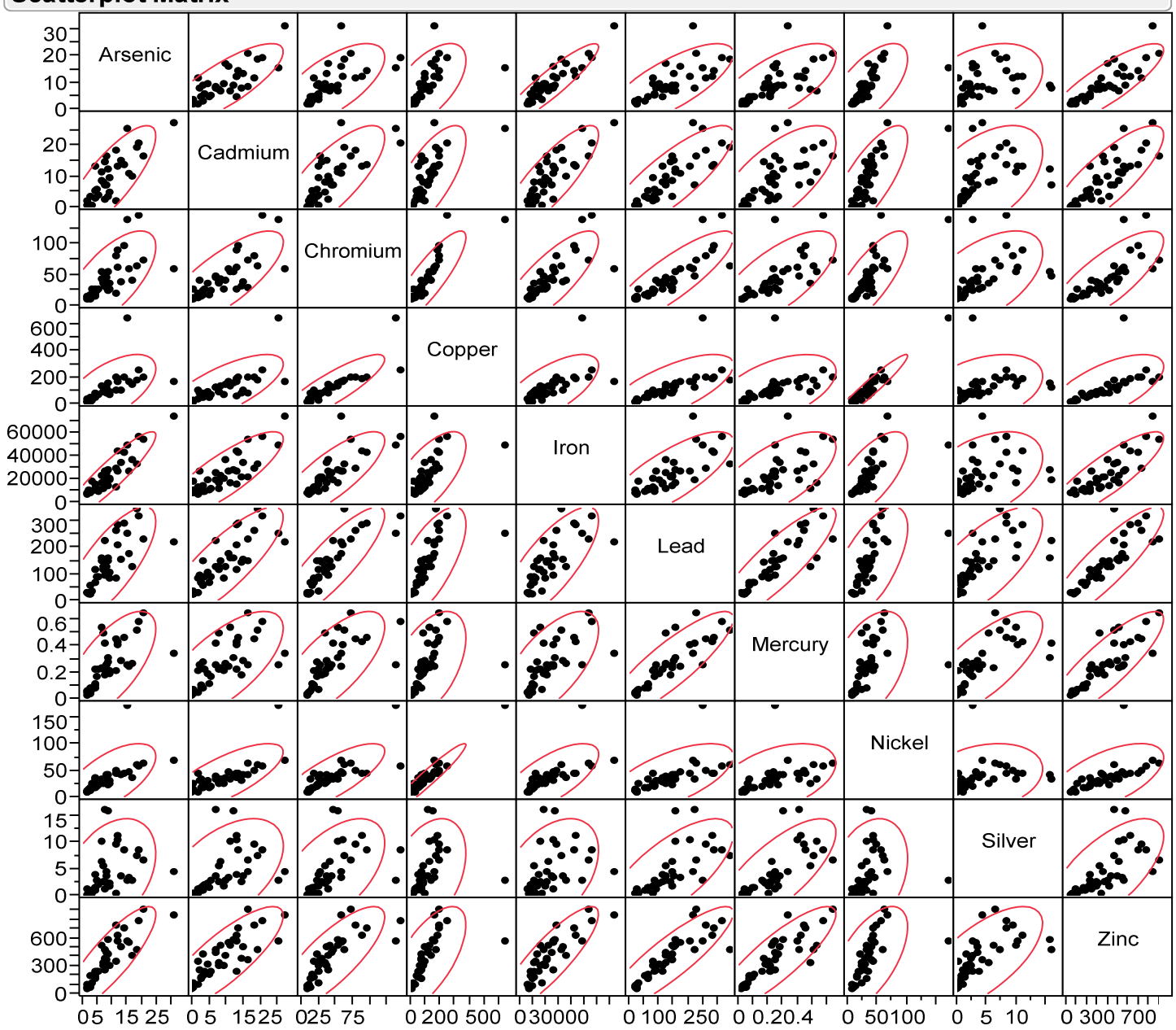
1. For samples with field duplicates, the average concentration is presented.
2. Regression equation and correlaton coefficient calculated by Microsoft Excel.
3. Data sets shown include April 2011 Ekman Samples, November 2011 Ekman Samples, and November 2011 Sediment Trap Samples.

	Cor[illegible]ell-Du[illegible]lier El[illegible]ronic Sup[illegible]rfund Sit[illegible] South Plai[illegible]eld, [illegible]	**TOC versus Aluminum Correlation in Recently Deposited Sediment** *Bound Brook OU1 RI/FS*	2013 FIGURE 6-4b

Correlations

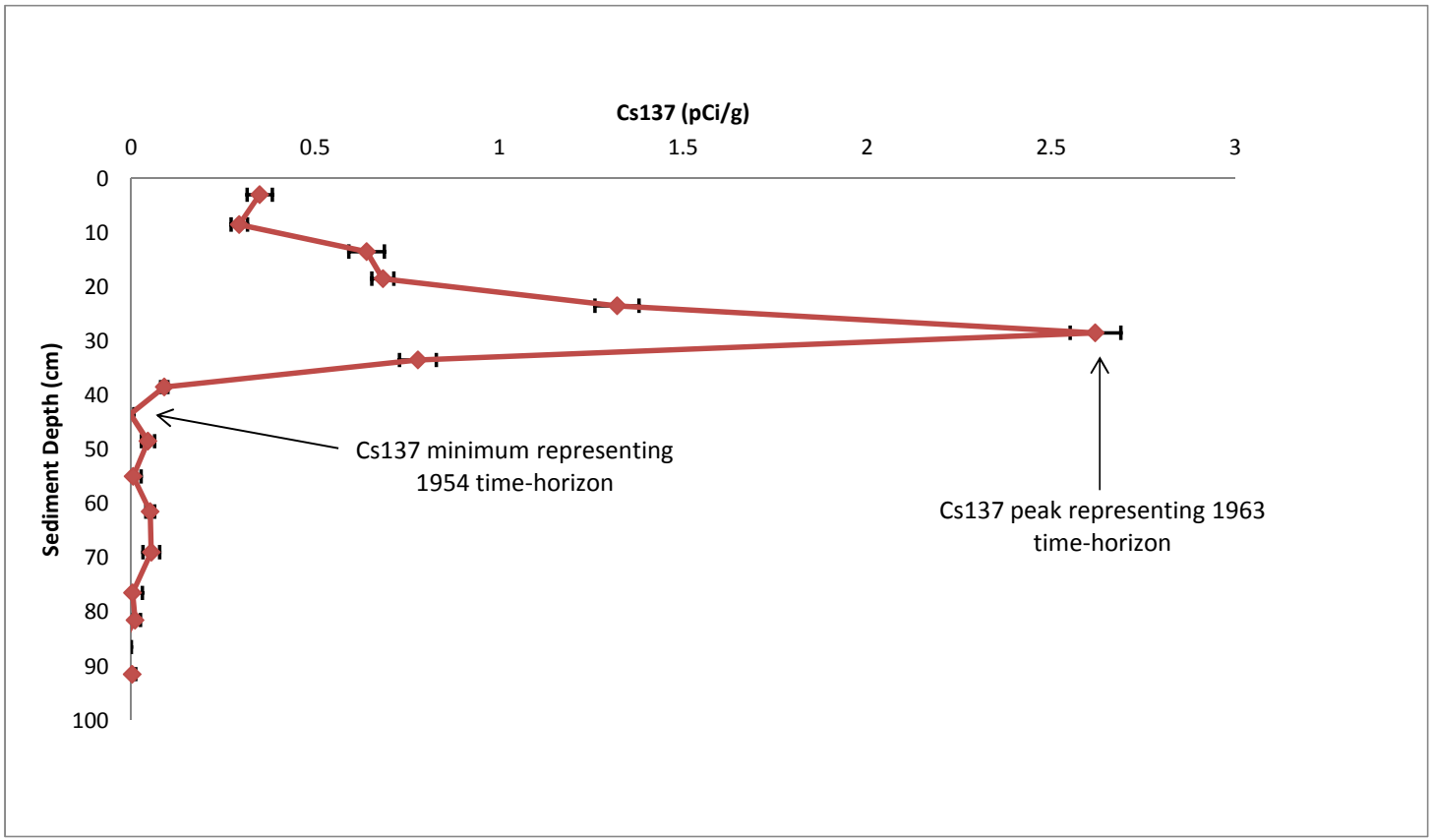
	Arsenic	Cadmium	Chromium	Copper	Iron	Lead	Mercury	Nickel	Silver	Zinc
Arsenic	1.00	0.81	0.67	0.60	0.92	0.76	0.68	0.63	0.36	0.85
Cadmium	0.81	1.00	0.77	0.73	0.84	0.83	0.68	0.76	0.51	0.82
Chromium	0.67	0.77	1.00	0.87	0.80	0.86	0.72	0.78	0.56	0.80
Copper	0.60	0.73	0.87	1.00	0.68	0.70	0.51	0.96	0.37	0.65
Iron	0.92	0.84	0.80	0.68	1.00	0.77	0.65	0.69	0.42	0.86
Lead	0.76	0.83	0.86	0.70	0.77	1.00	0.87	0.65	0.72	0.88
Mercury	0.68	0.68	0.72	0.51	0.65	0.87	1.00	0.44	0.75	0.85
Nickel	0.63	0.76	0.78	0.96	0.69	0.65	0.44	1.00	0.27	0.61
Silver	0.36	0.51	0.56	0.37	0.42	0.72	0.75	0.27	1.00	0.68
Zinc	0.85	0.82	0.80	0.65	0.86	0.88	0.85	0.61	0.68	1.00

Scatterplot Matrix



	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Metals Correlation in Recently Deposited Sediment** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-5

DRAFT FINAL



LEGEND:

Radiological Concentration

Uncertainty

NOTES:

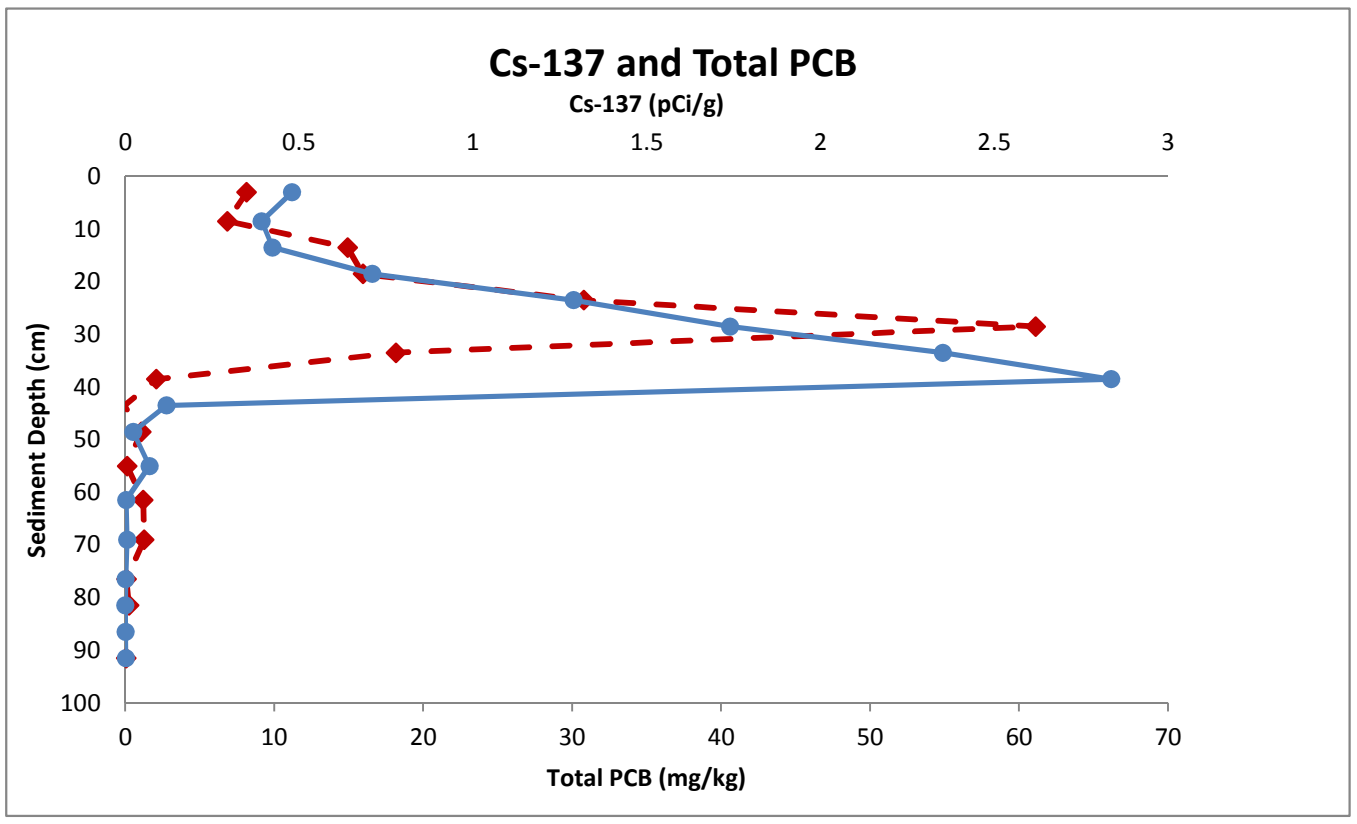
1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Error bars represent the laboratory reported uncertainty.

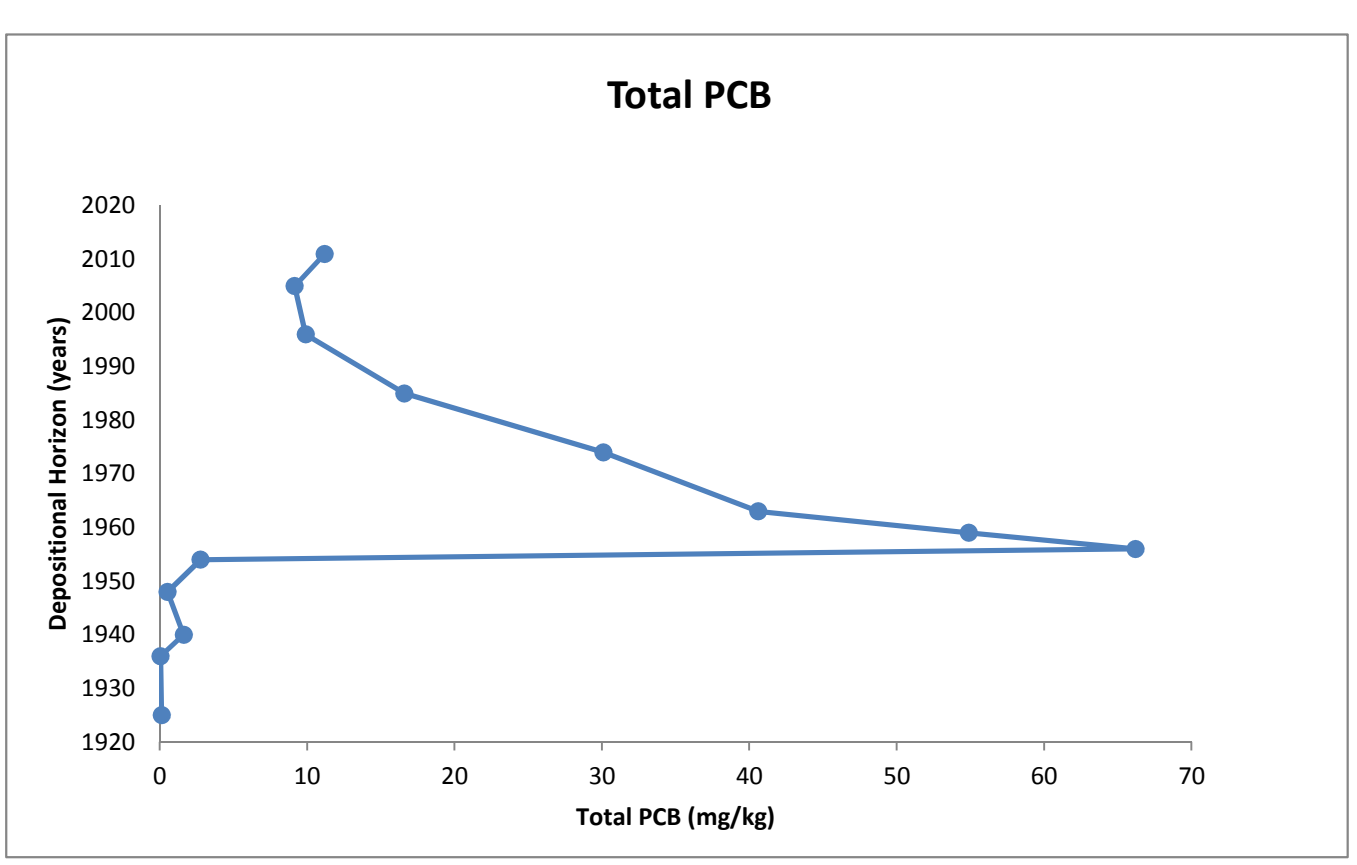
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

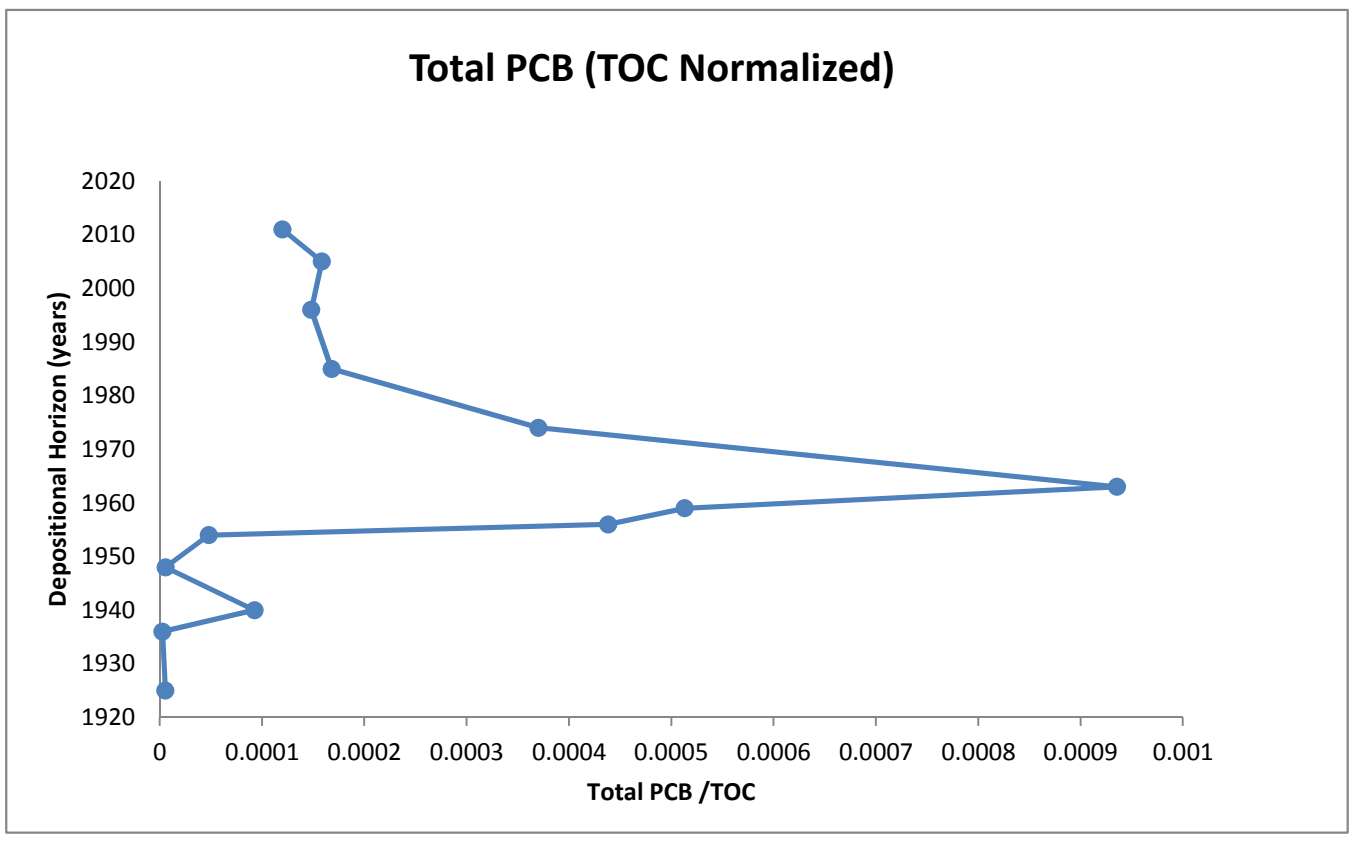
Radiological Depth Profile in High Resolution Sediment Core
Bound Brook OU4 RI/FS

2013

FIGURE 6-6







LEGEND:

- Contaminant concentration
- Radiological concentration

TOC denotes Total Organic Carbon

NOTES:

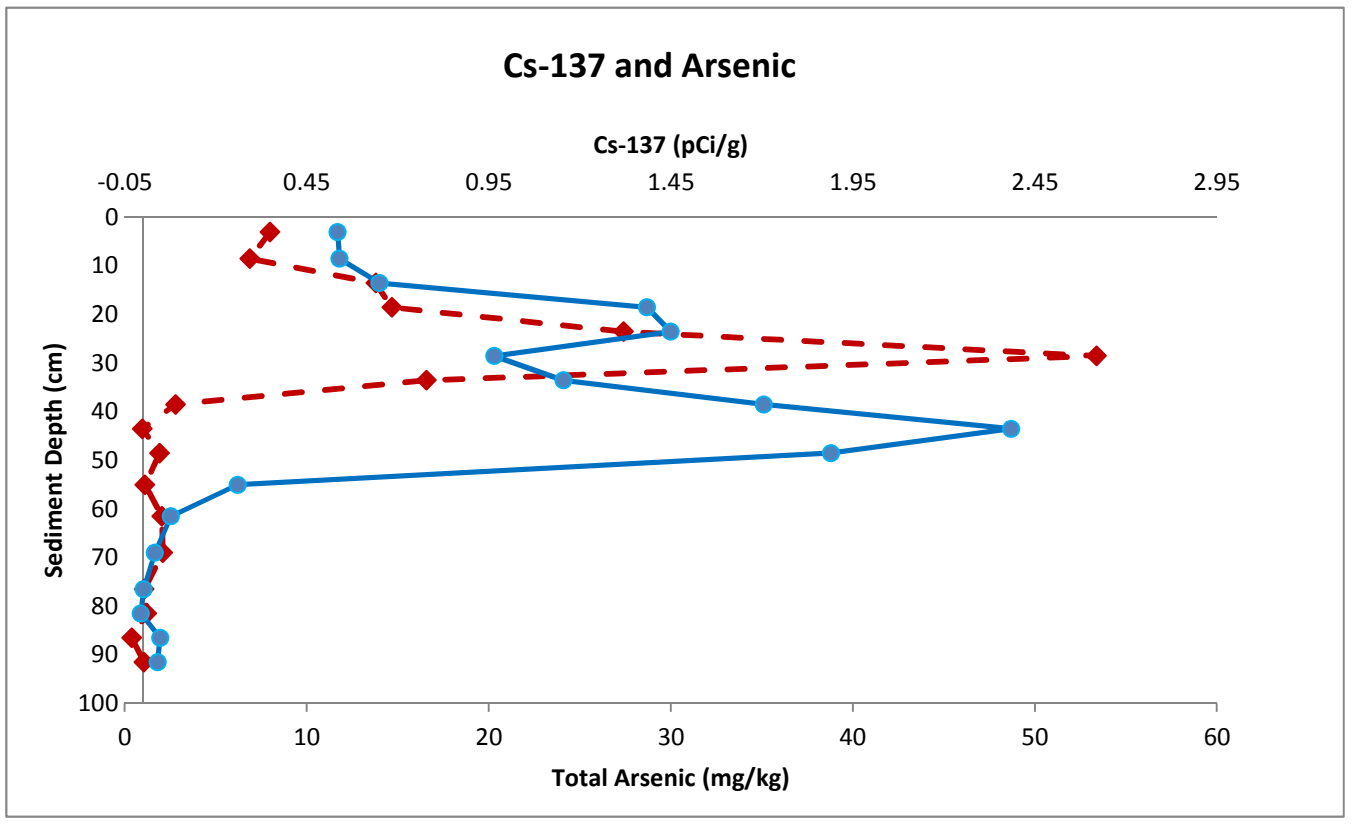
1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

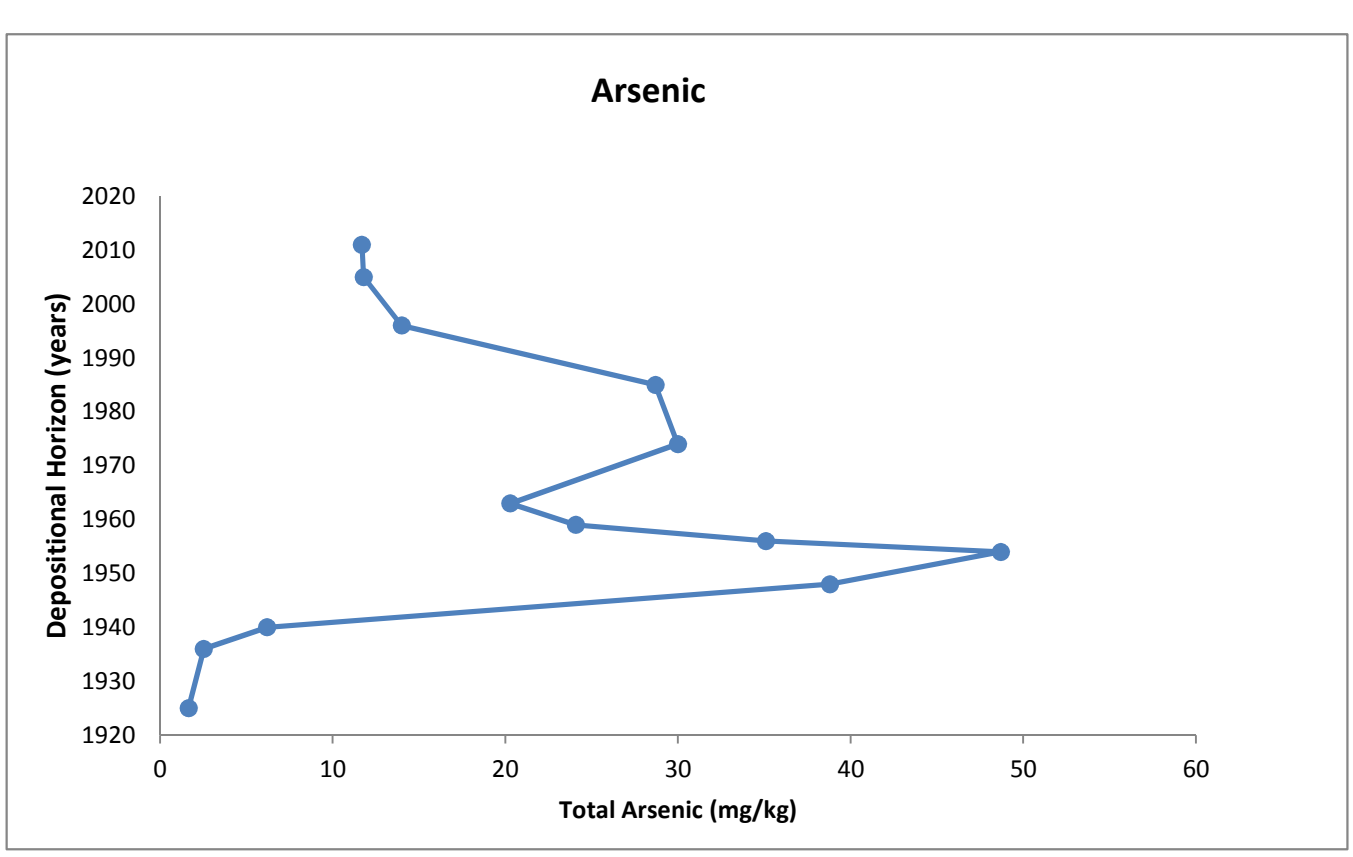
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

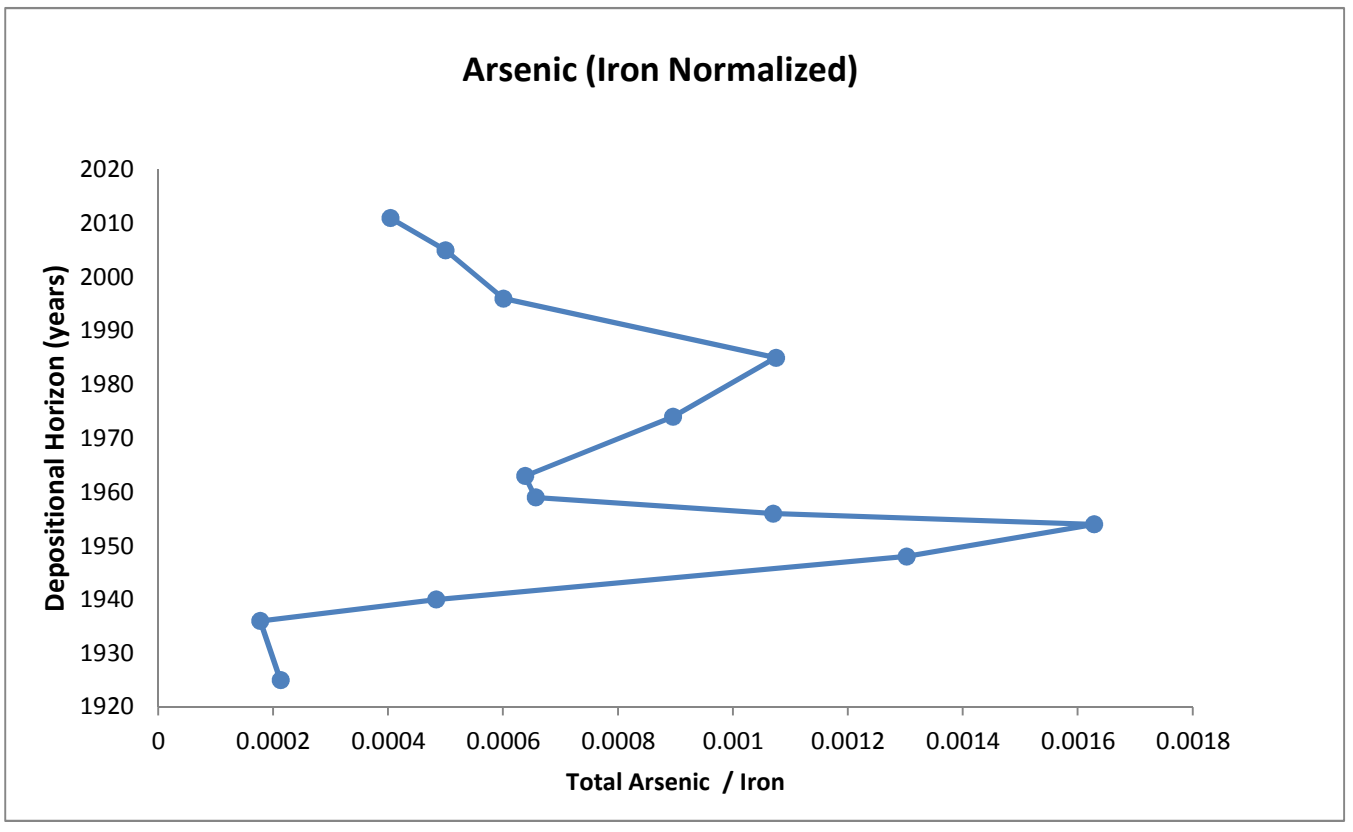
Contaminant Depth Profile and Geochronology for Total PCB
Bound Brook OU4 RI/FS

2013

FIGURE 6-7a







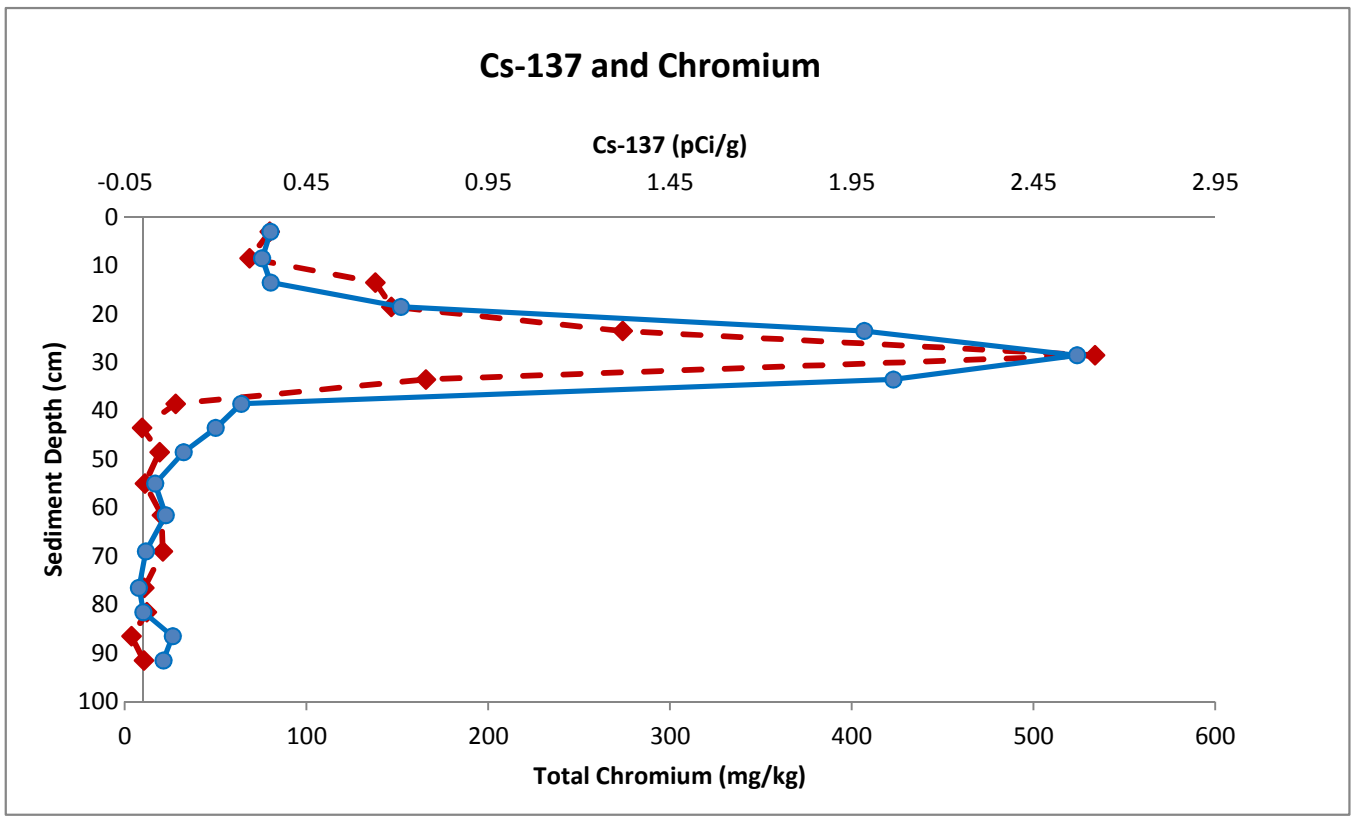
LEGEND:

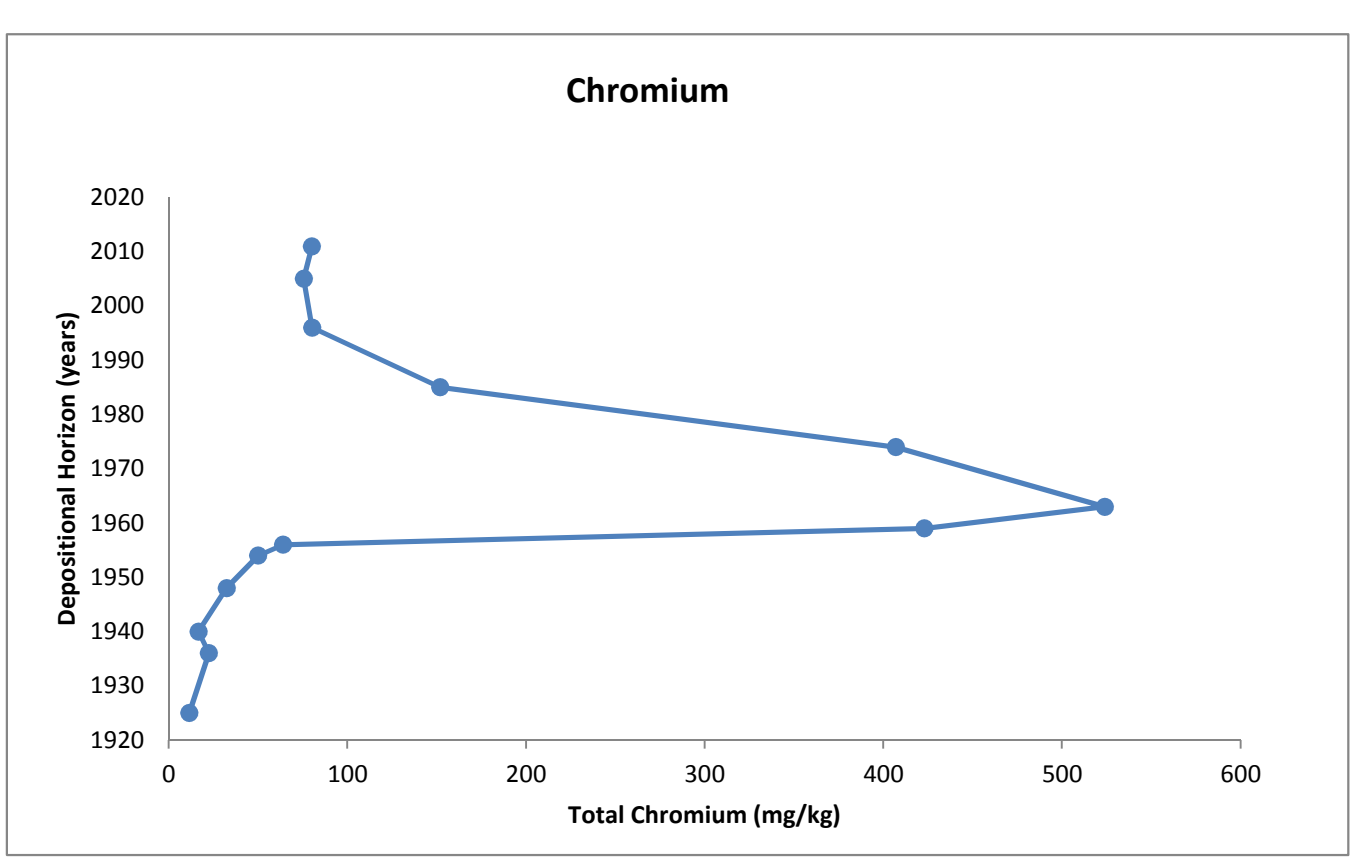
- Contaminant concentration
- Radiological concentration

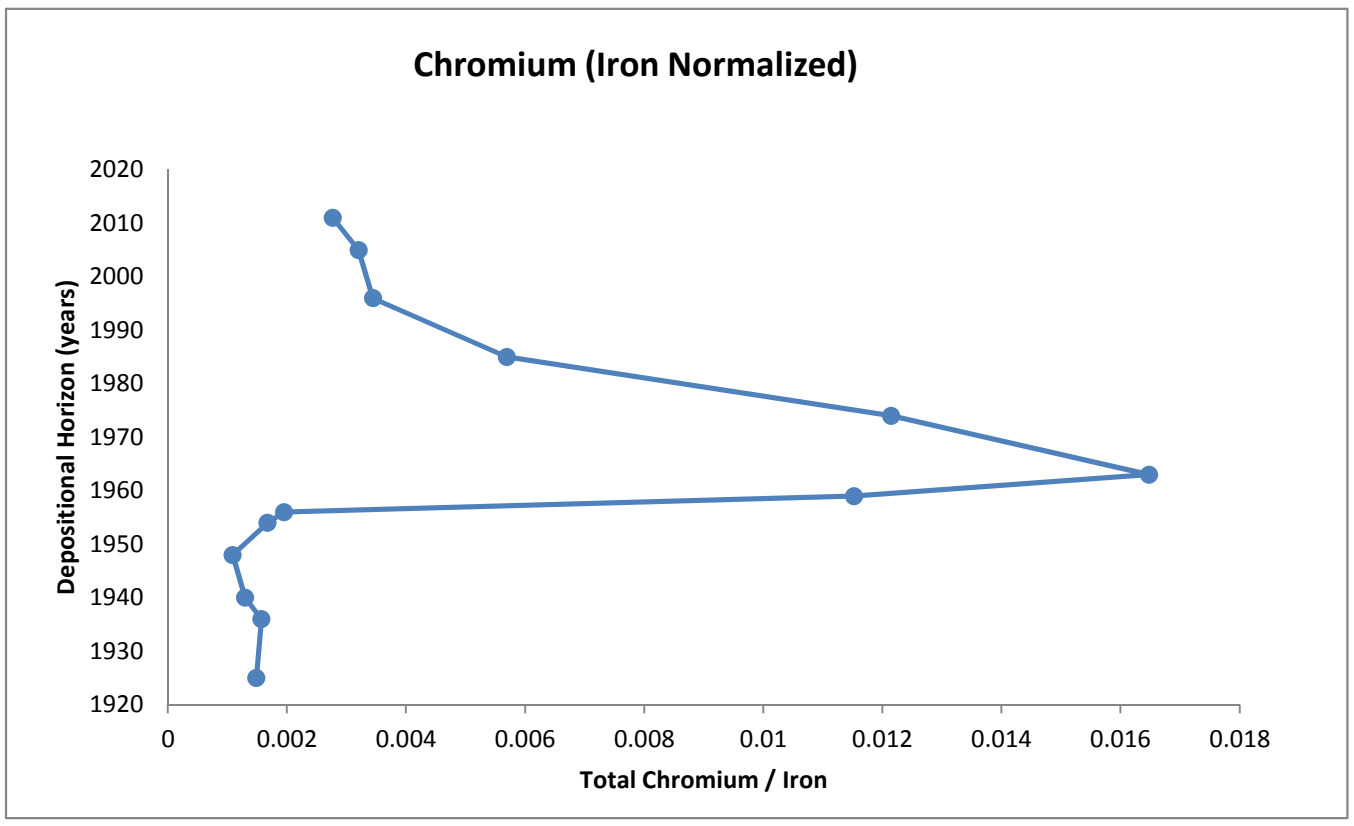
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Arsenic** *Bound Brook OU4 - R/FS*	2013 FIGURE 6-7b







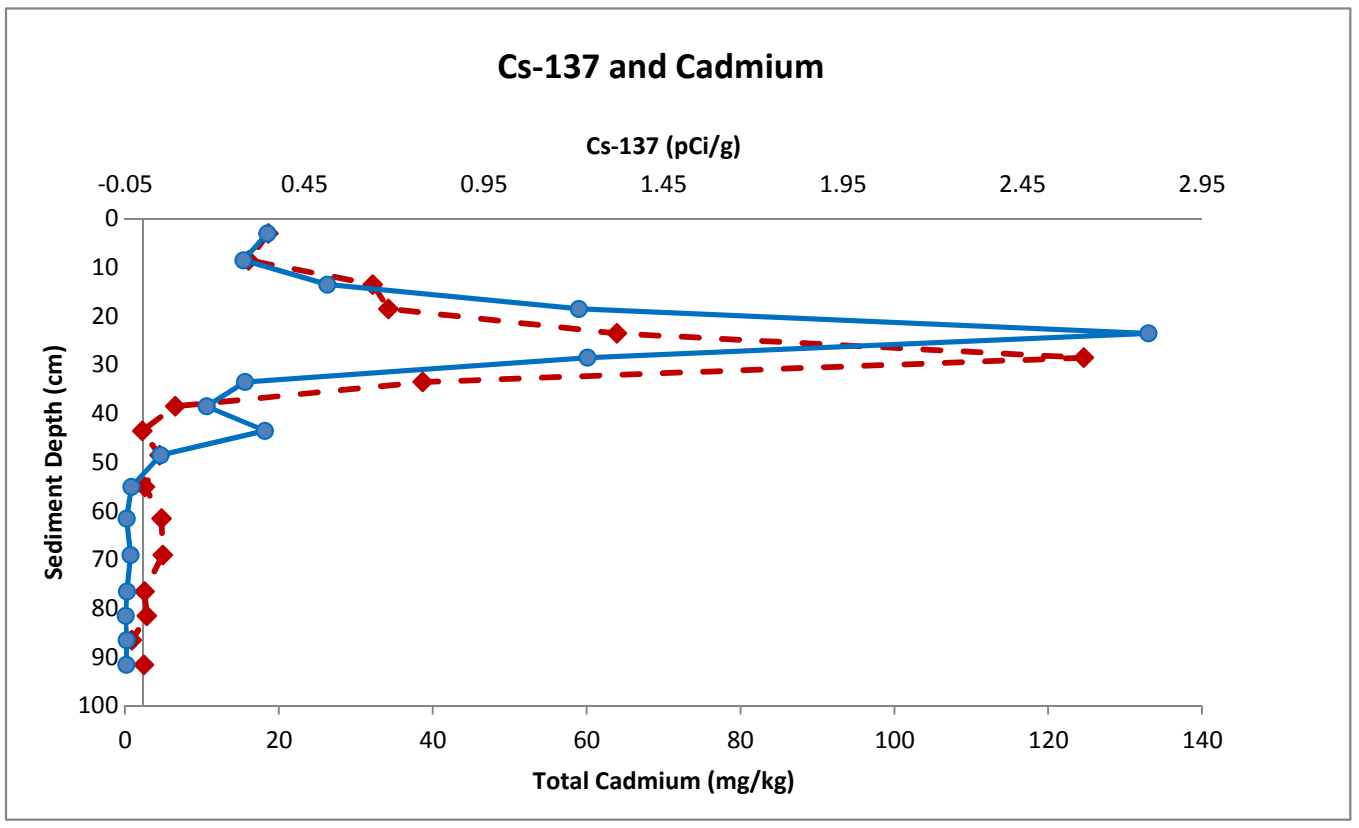
LEGEND:

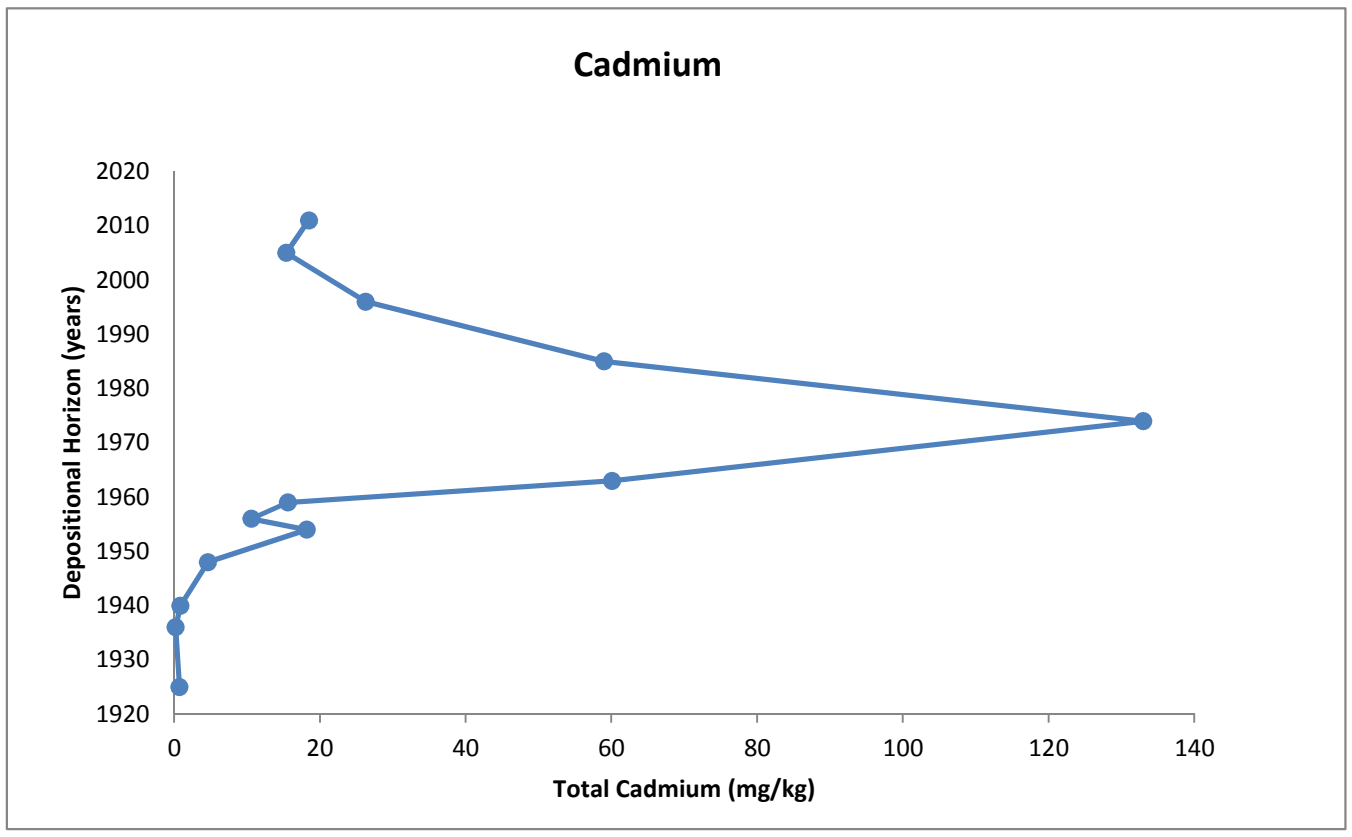
- Contaminant concentration
- Radiological concentration

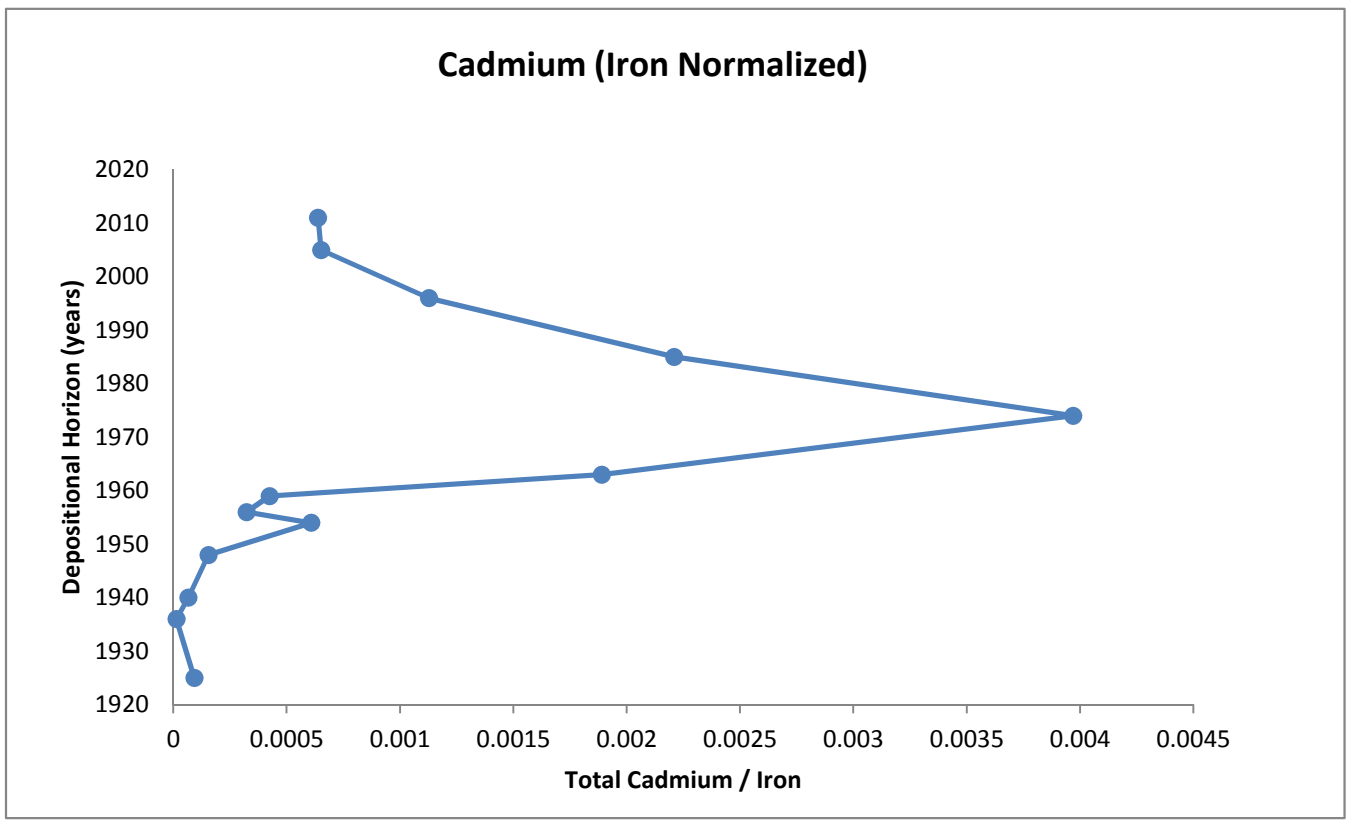
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Chromium** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7c







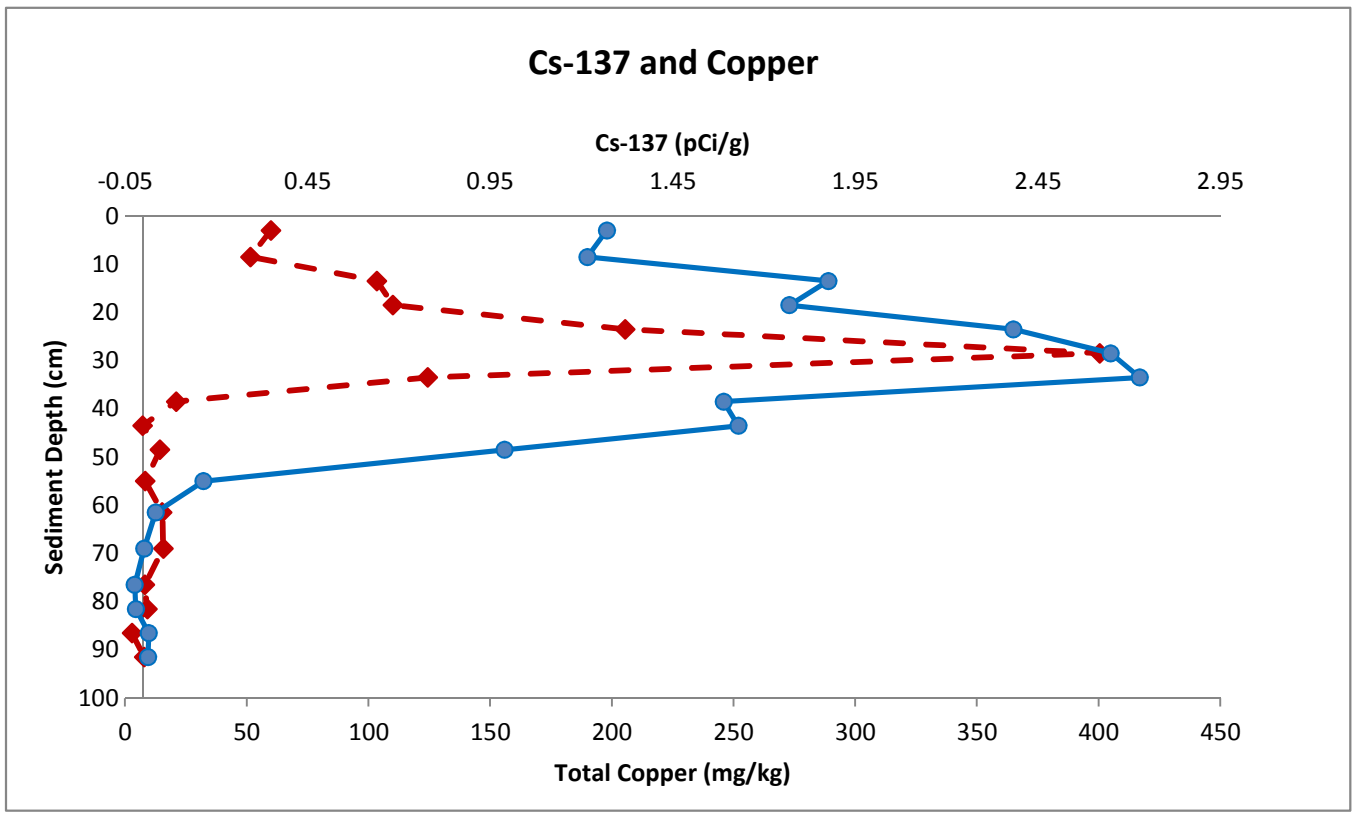
LEGEND:

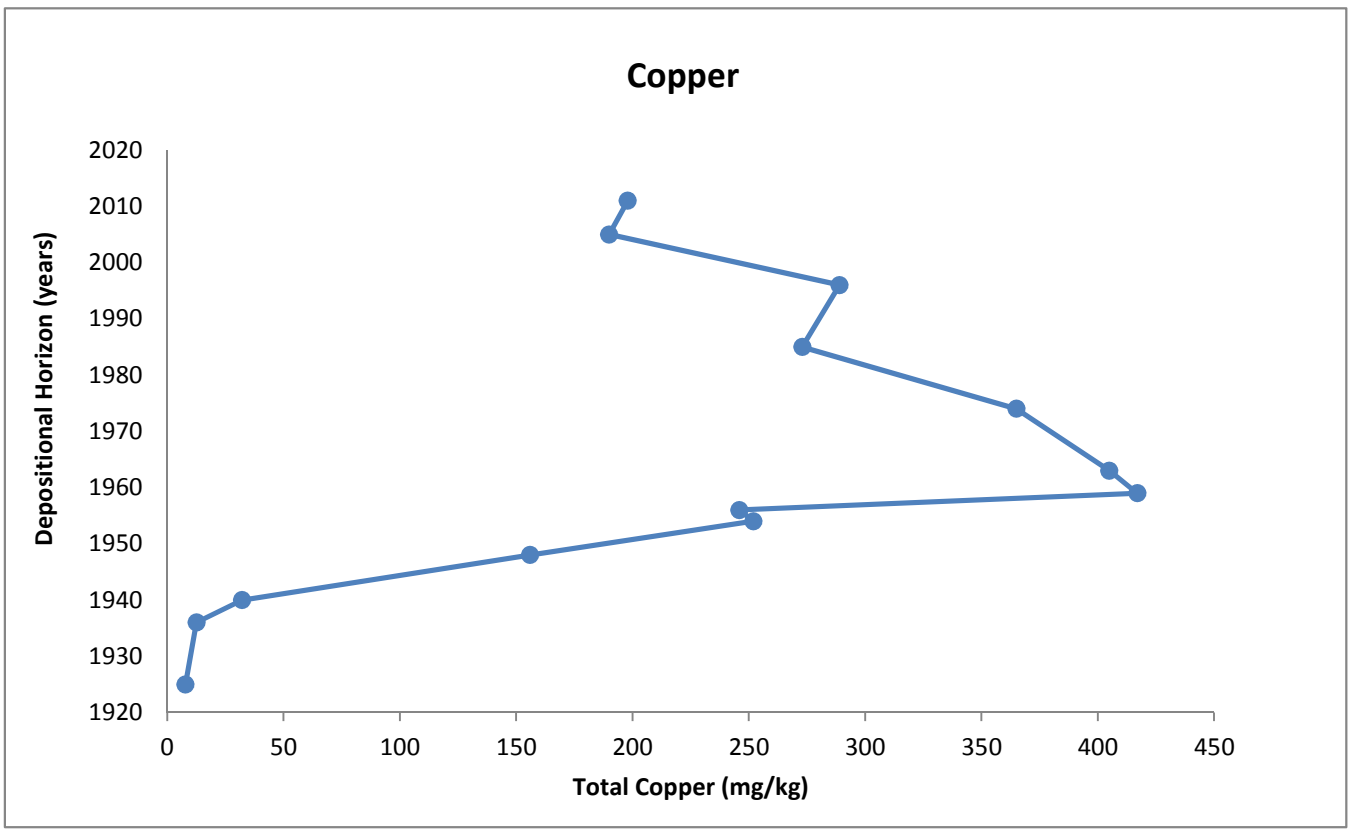
- Contaminant concentration
- Radiological concentration

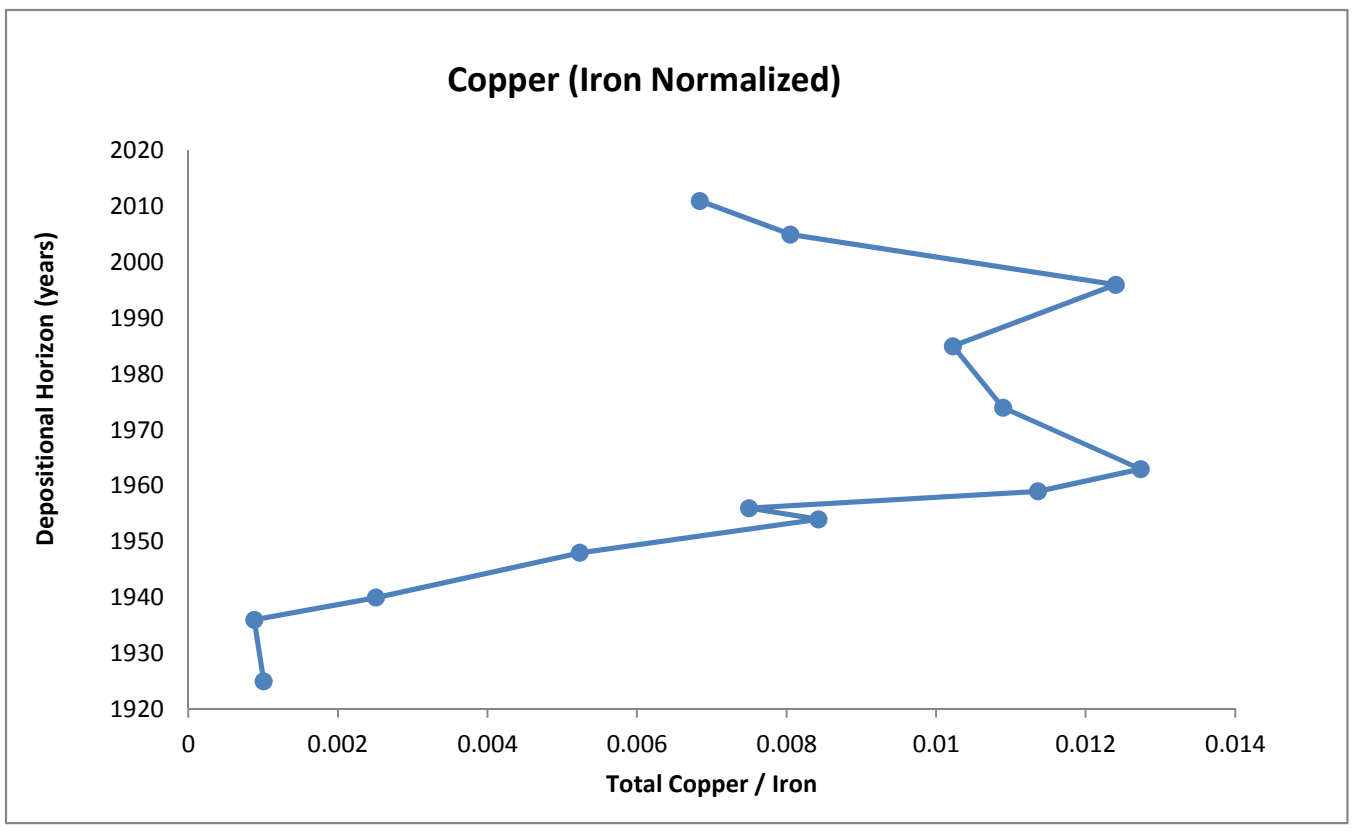
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Cadmium** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7d







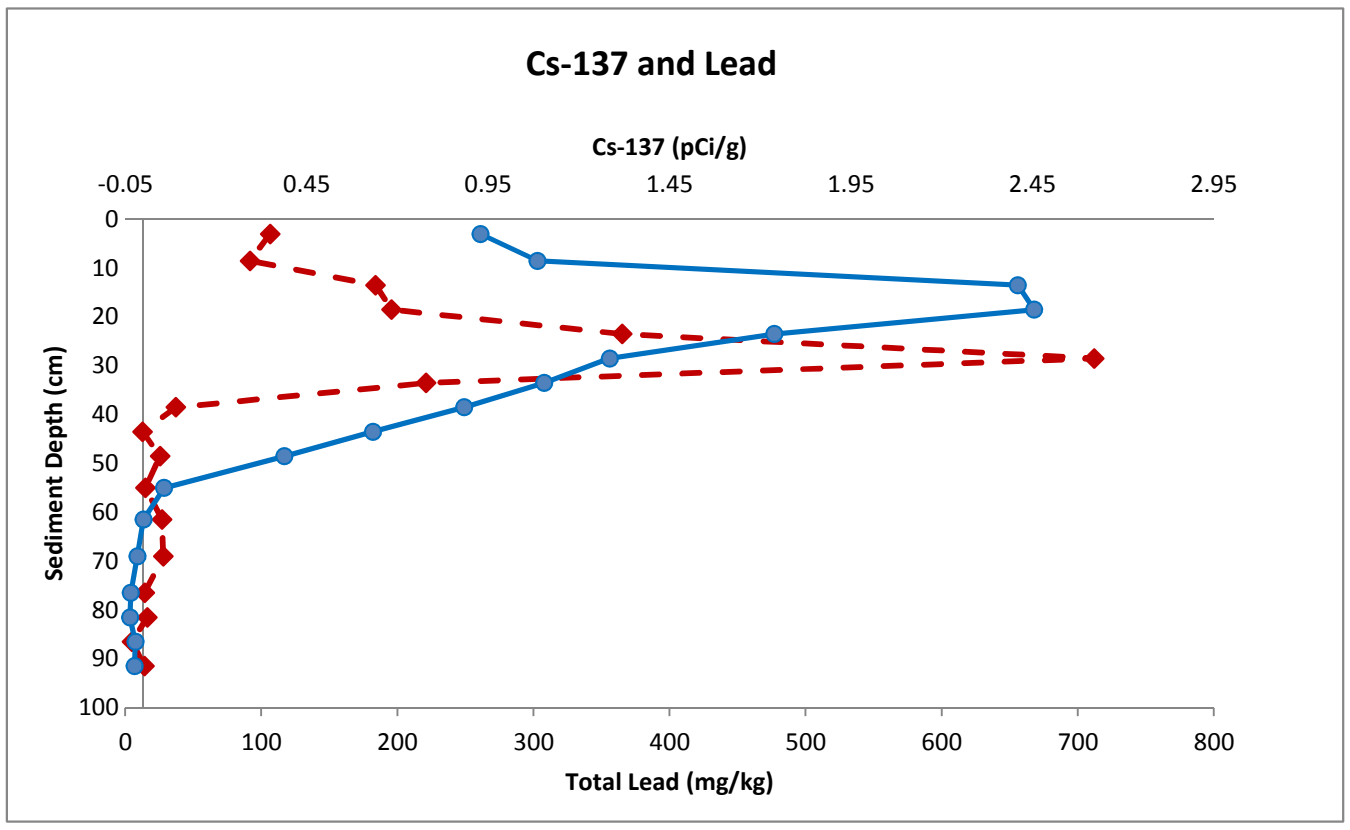
LEGEND:

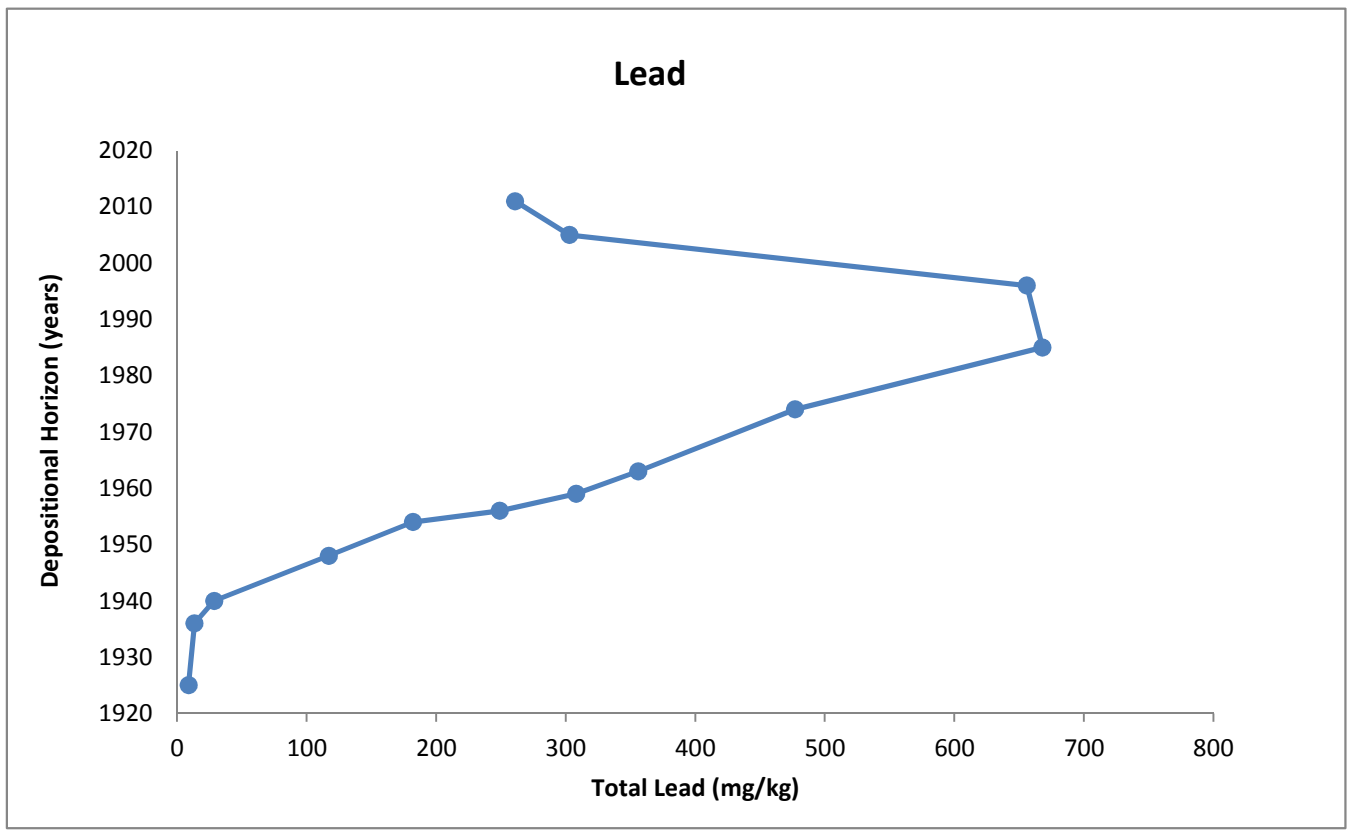
- Contaminant concentration
- Radiological concentration

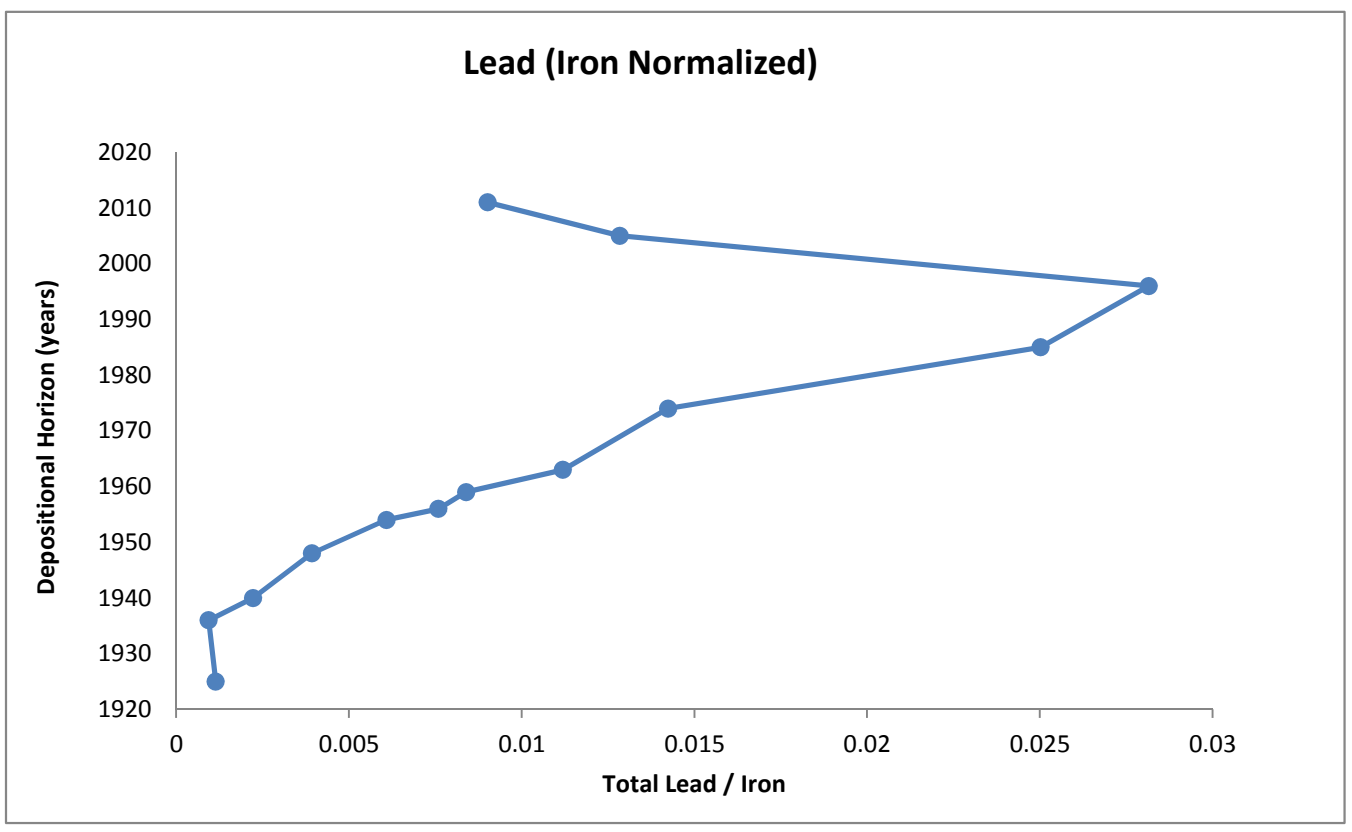
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Copper** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7e







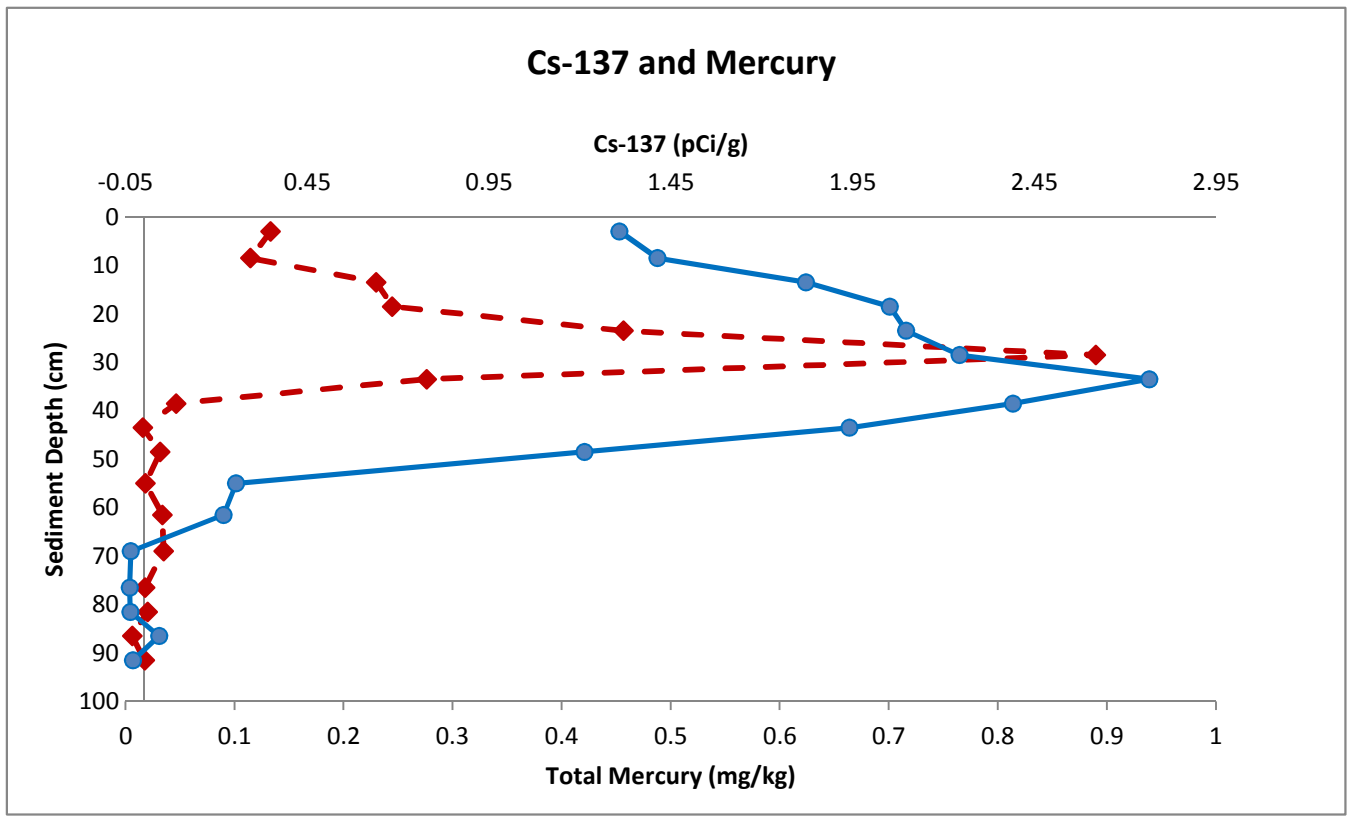
LEGEND:

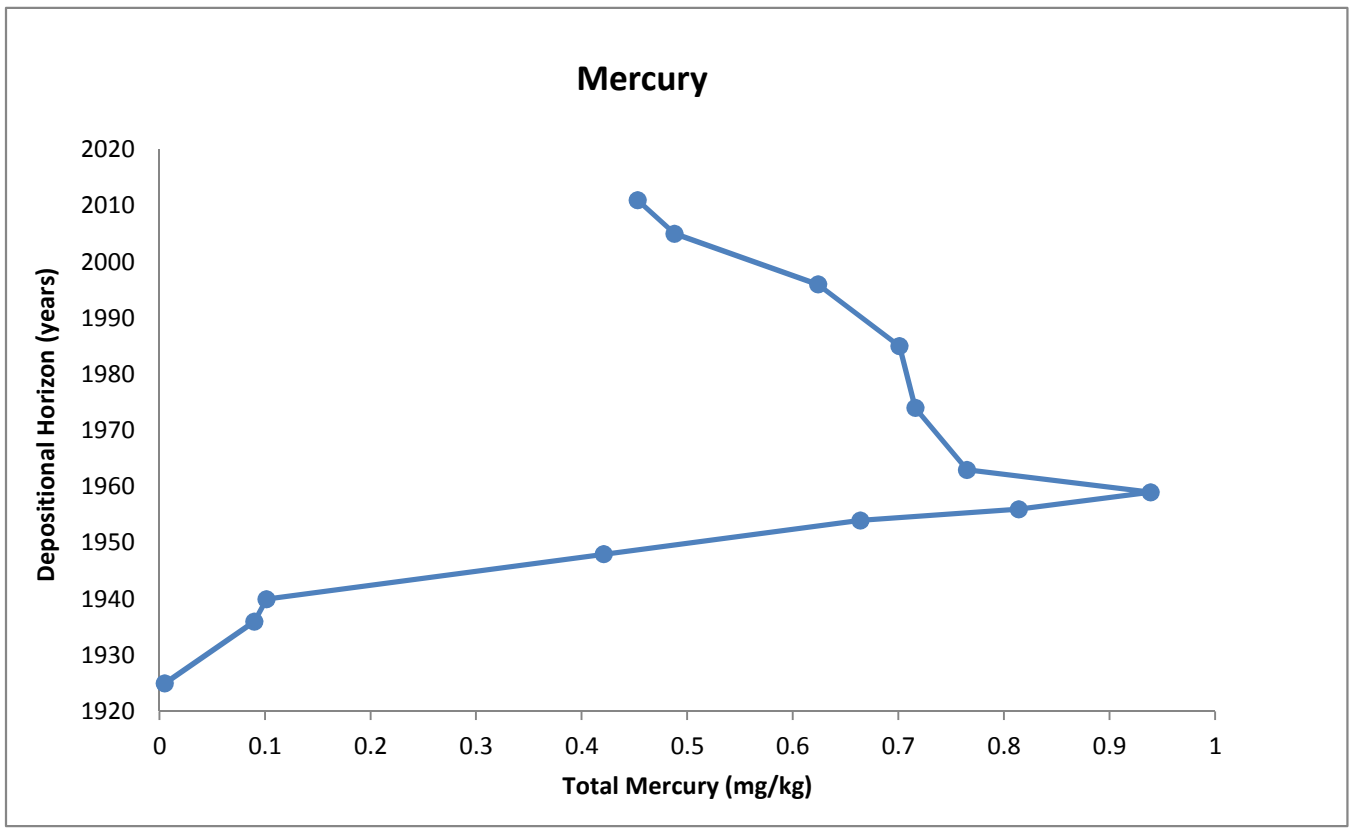
- Contaminant concentration
- Radiological concentration

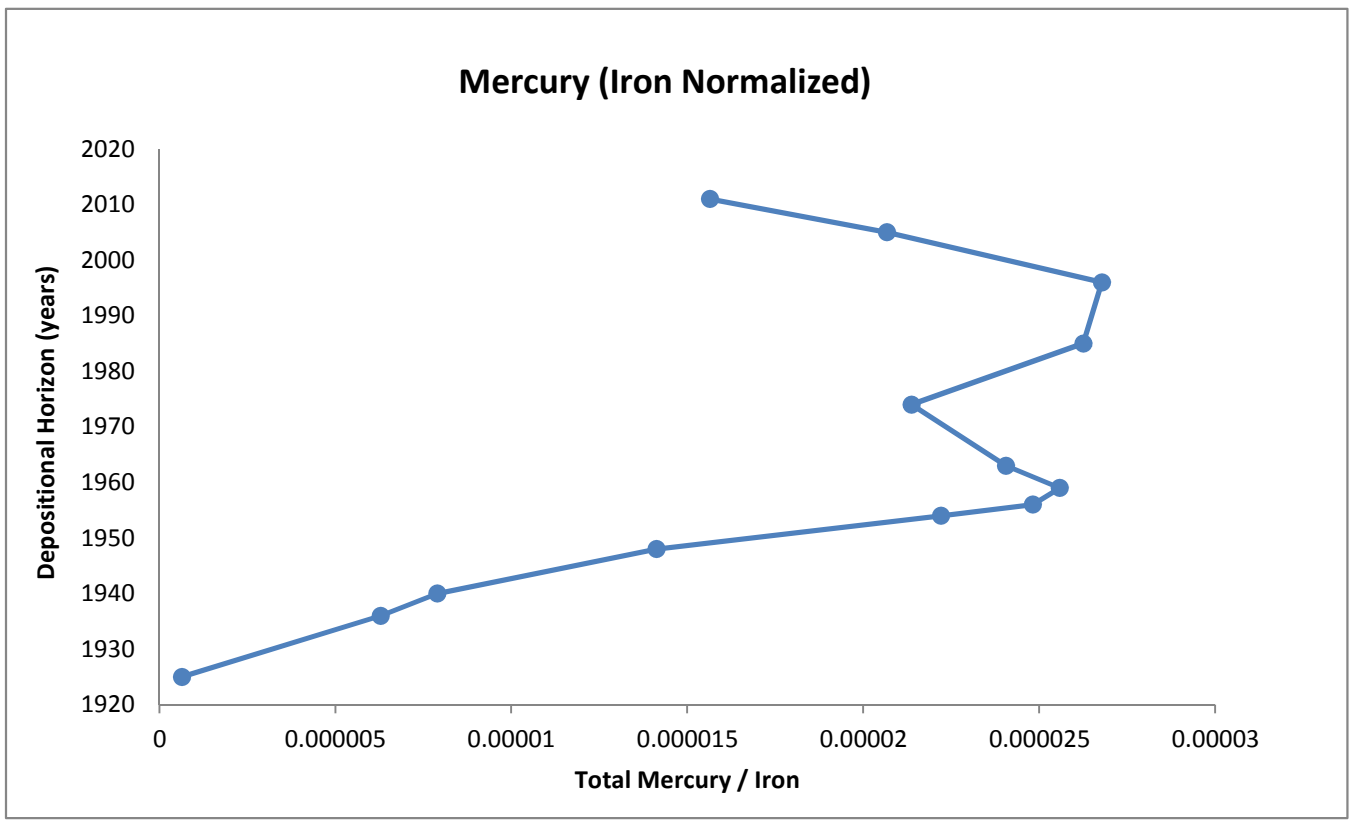
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Lead** *Bound Brook OU4 C/FS*	2013 FIGURE 6-7f







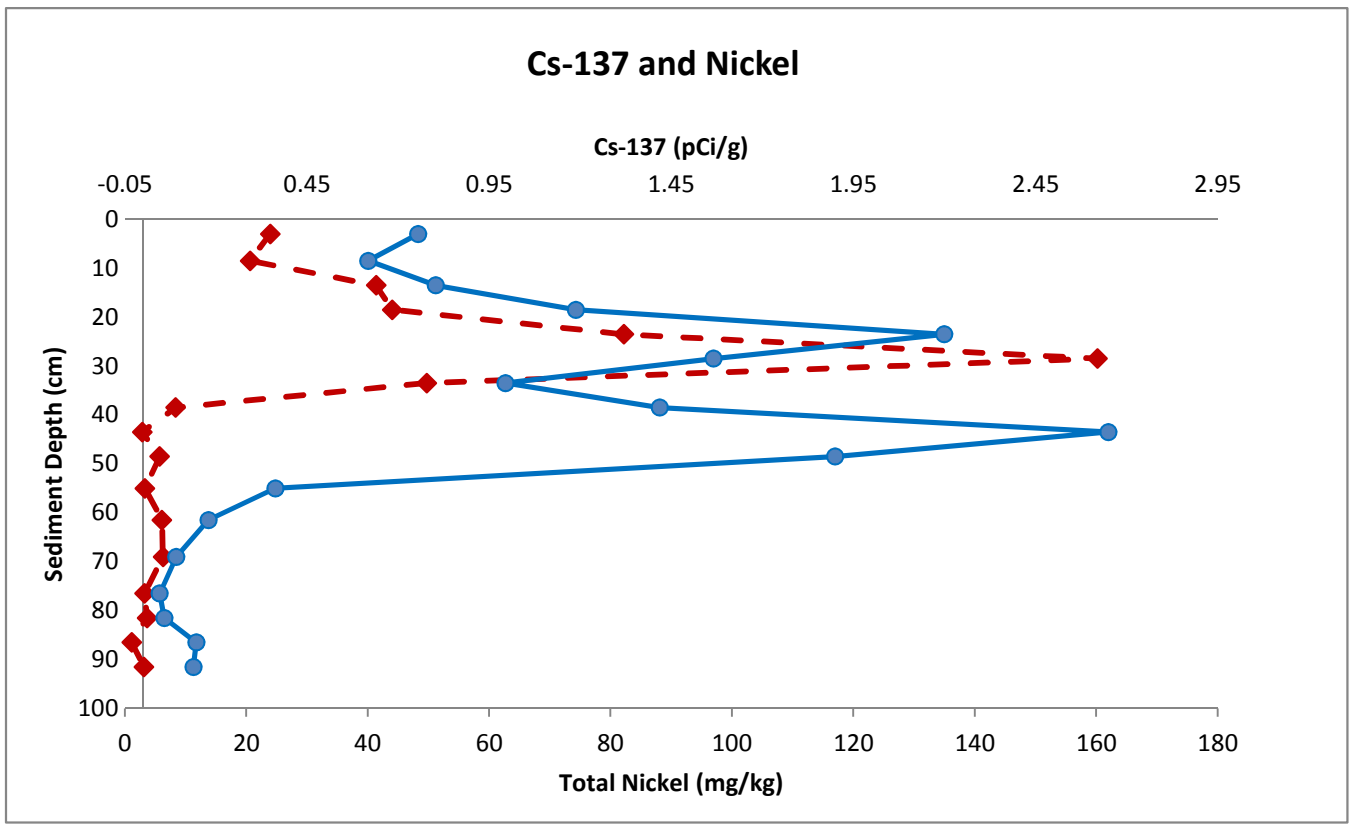
LEGEND:

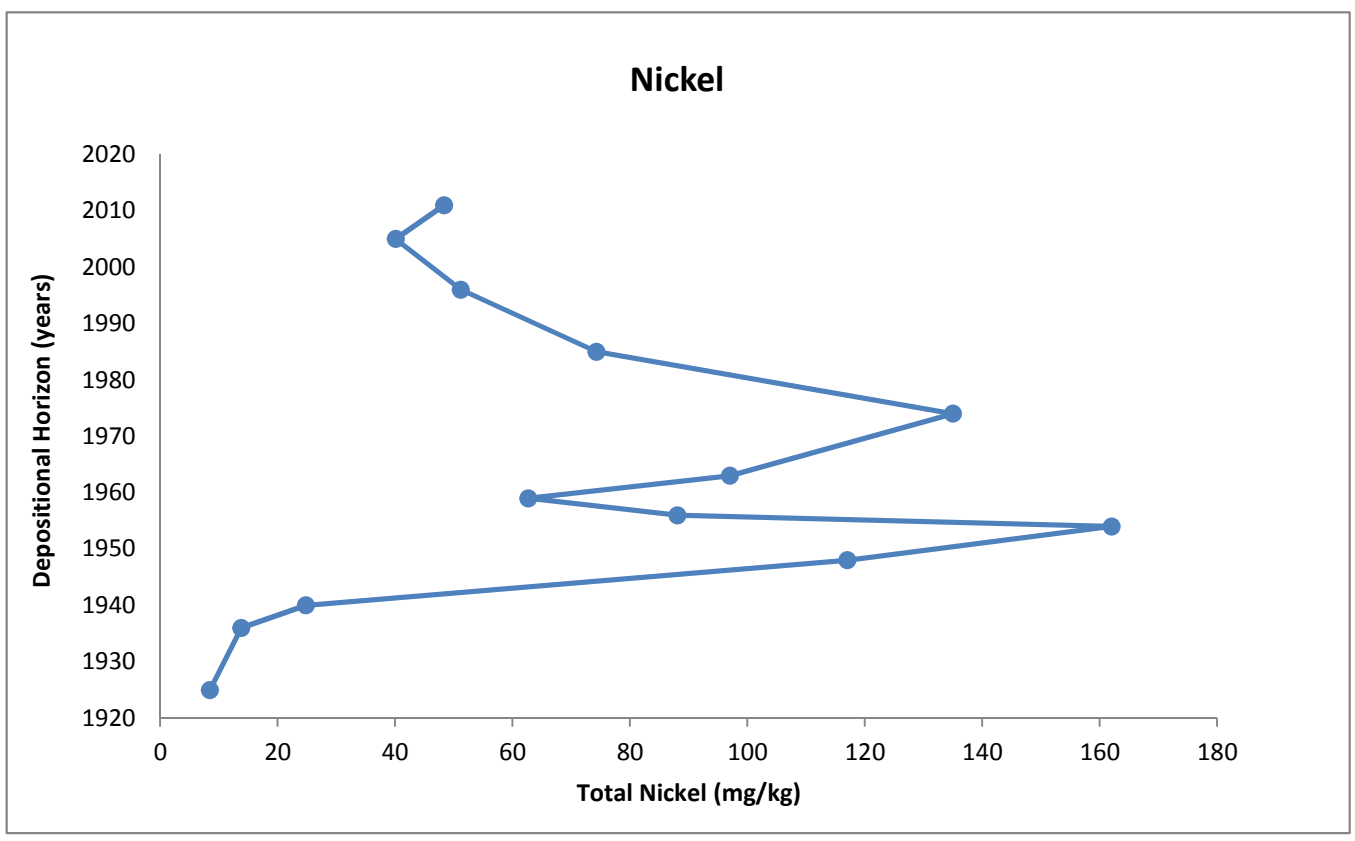
- Contaminant concentration
- Radiological concentration

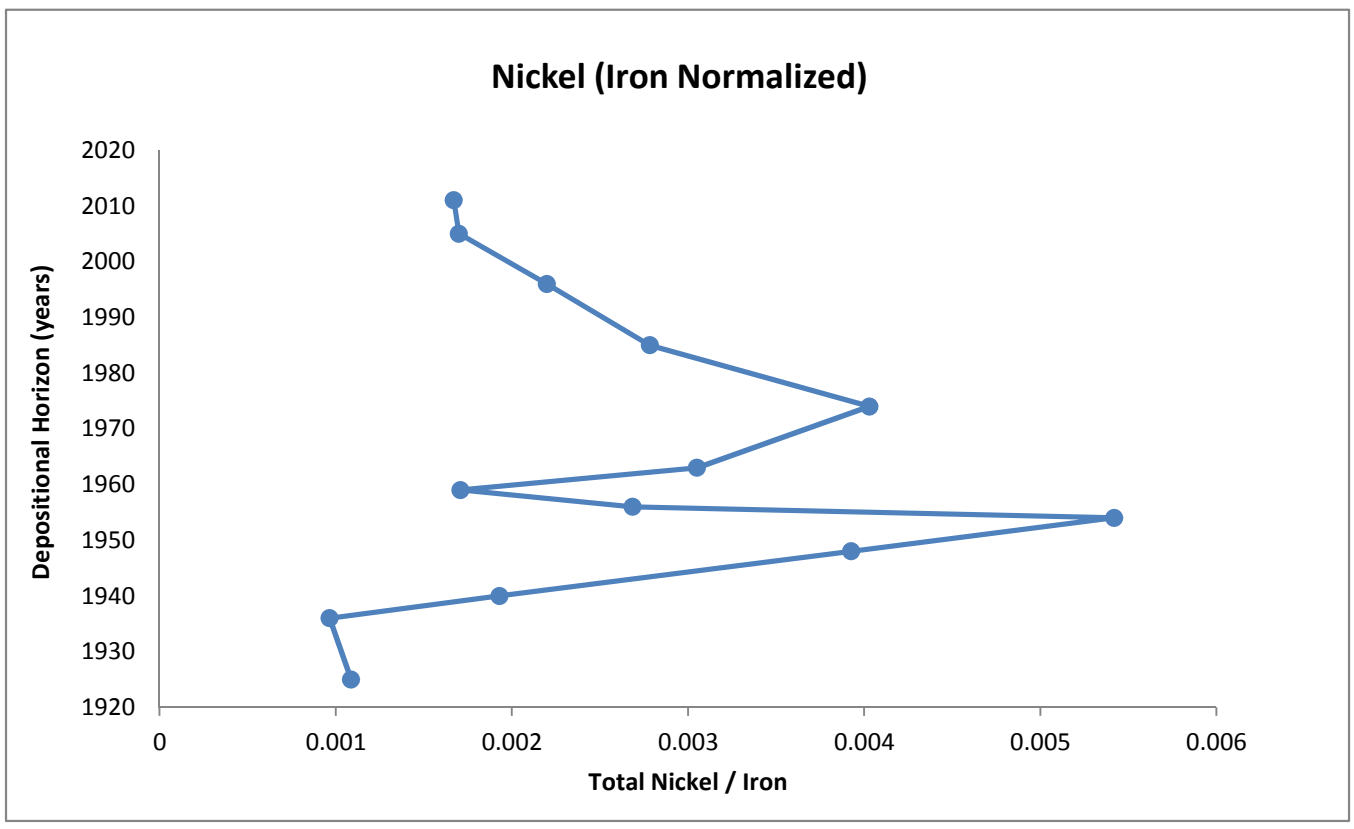
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Mercury** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7g







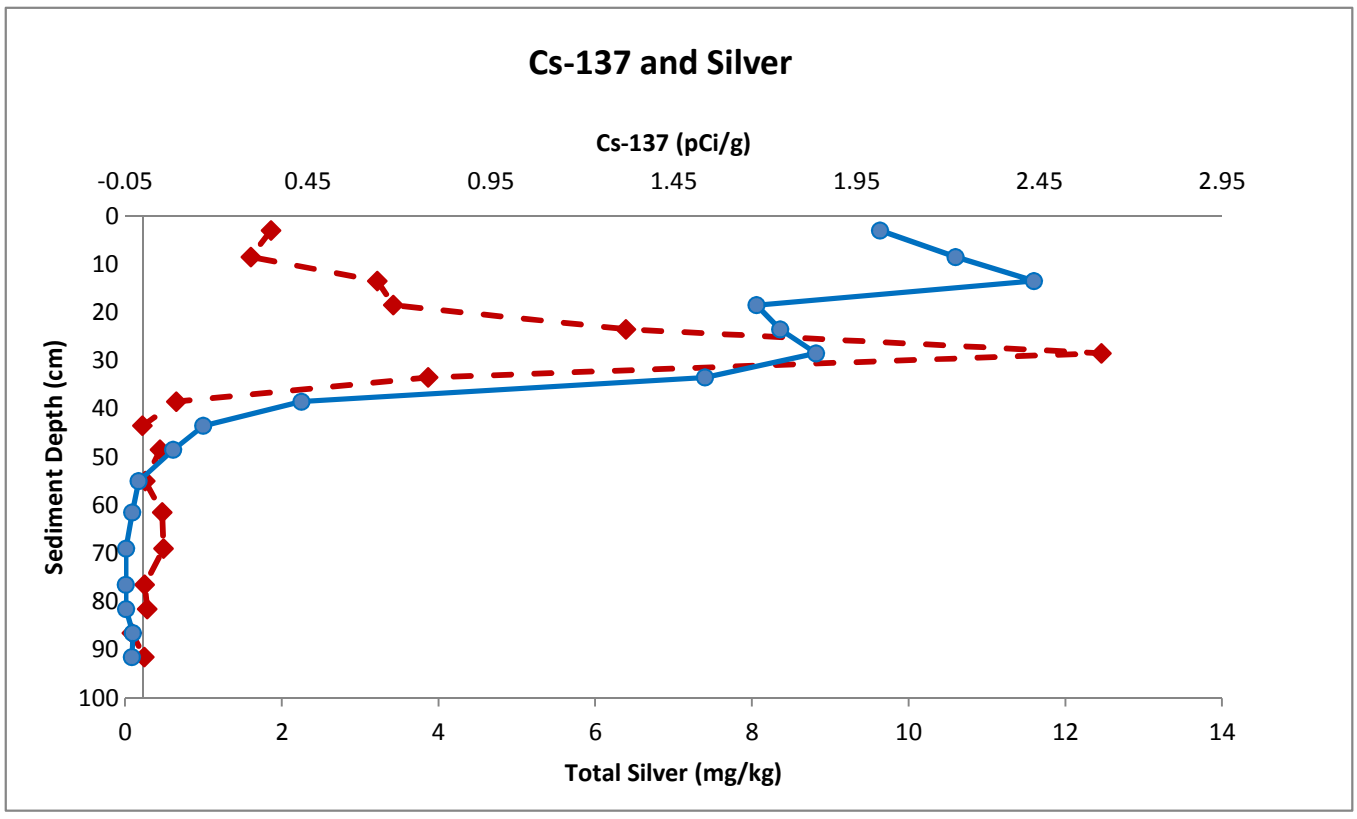
LEGEND:

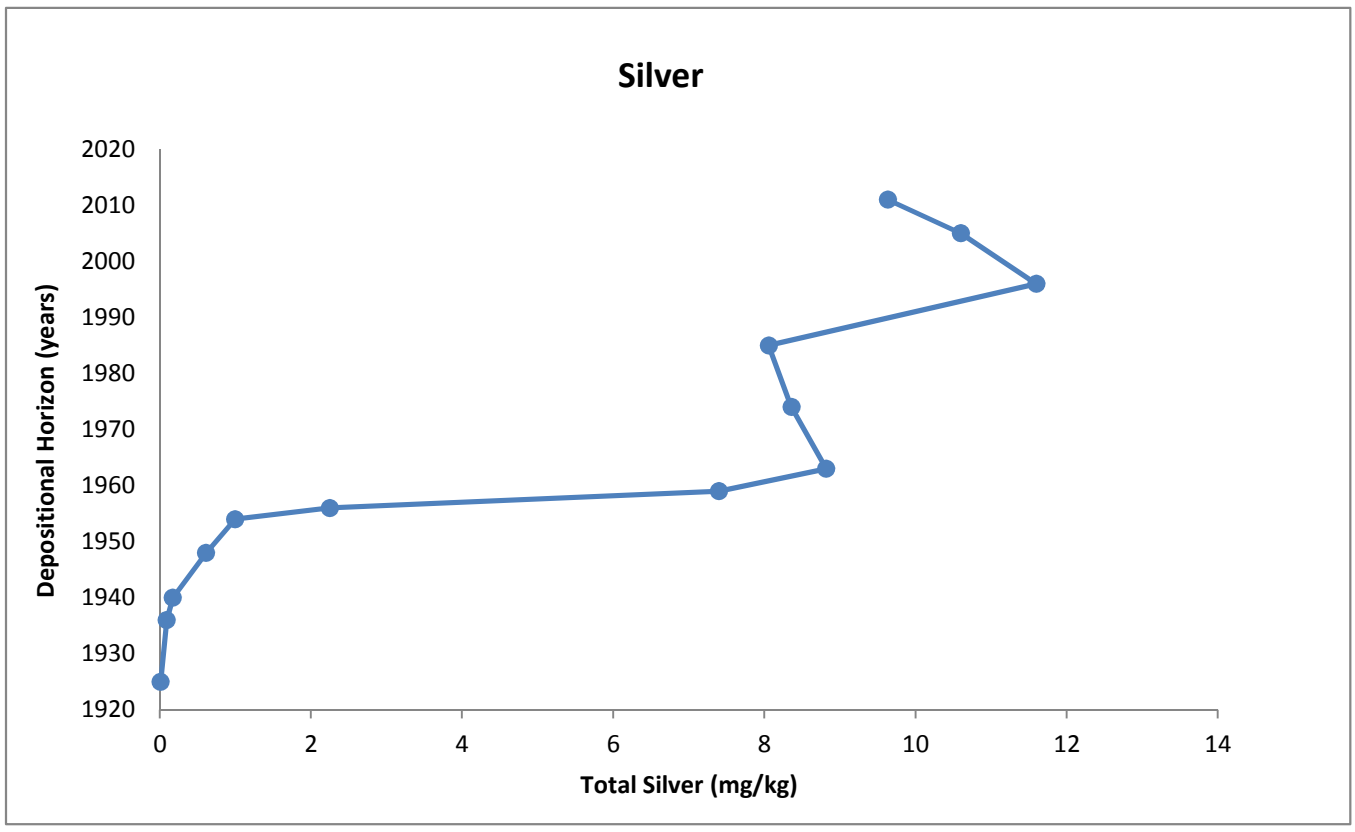
- Contaminant concentration
- Radiological concentration

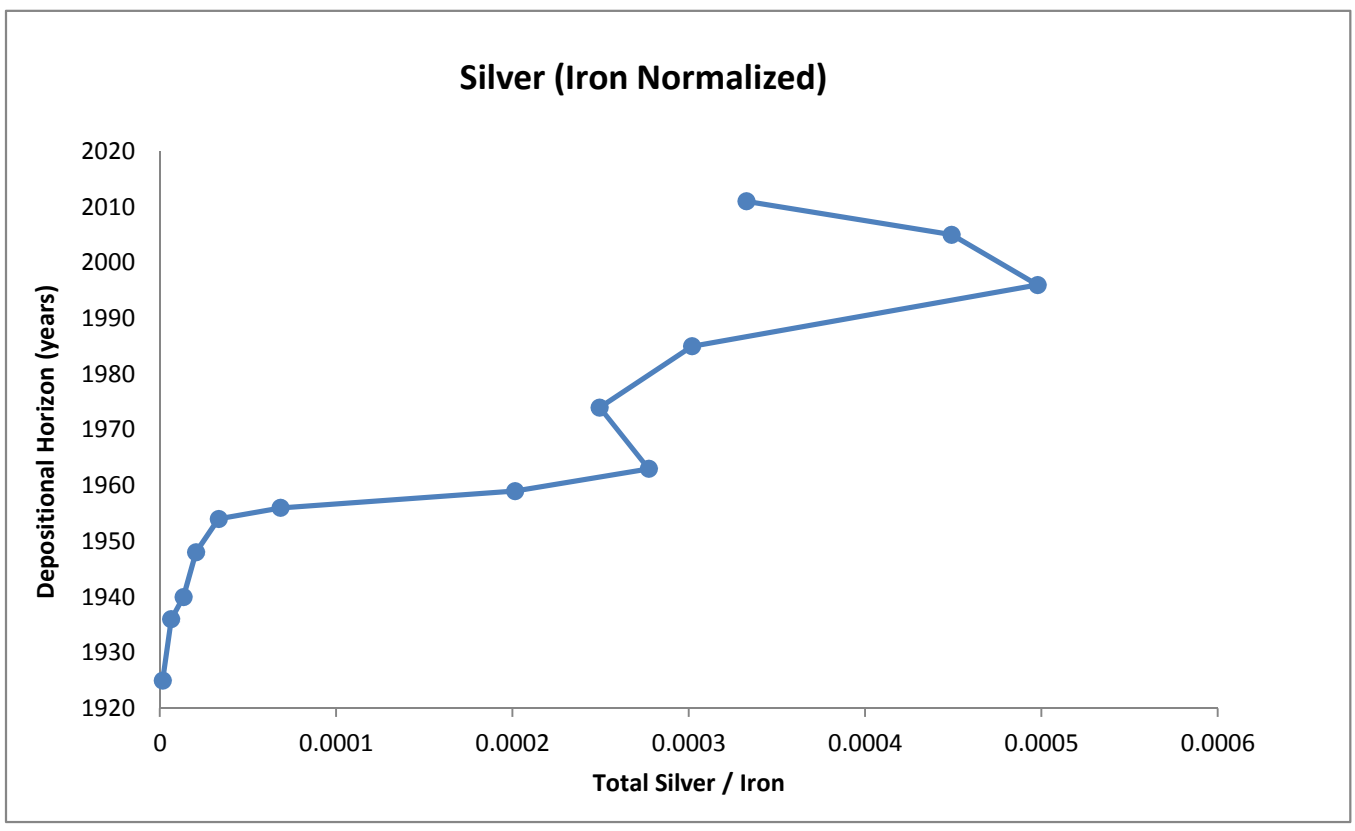
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Nickel** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7h







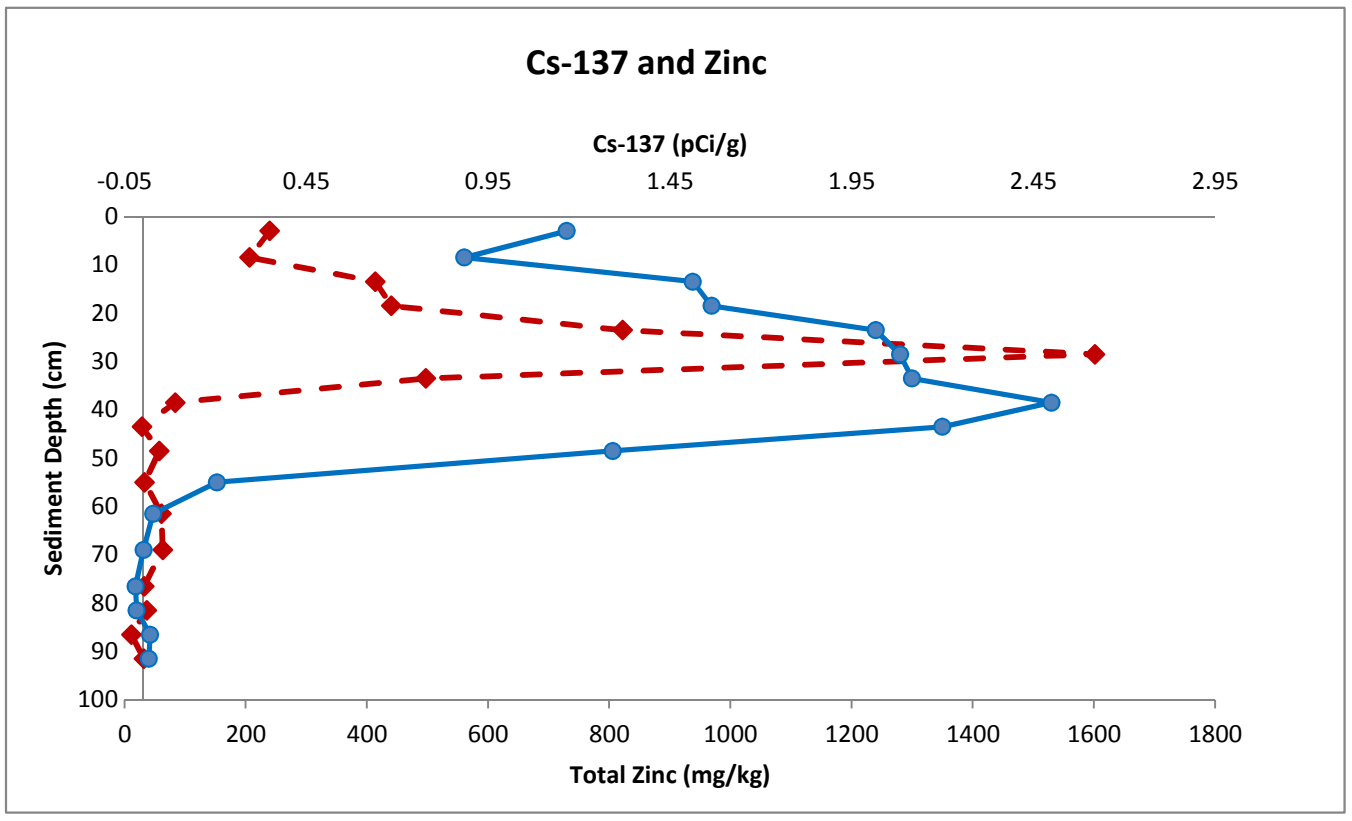
LEGEND:

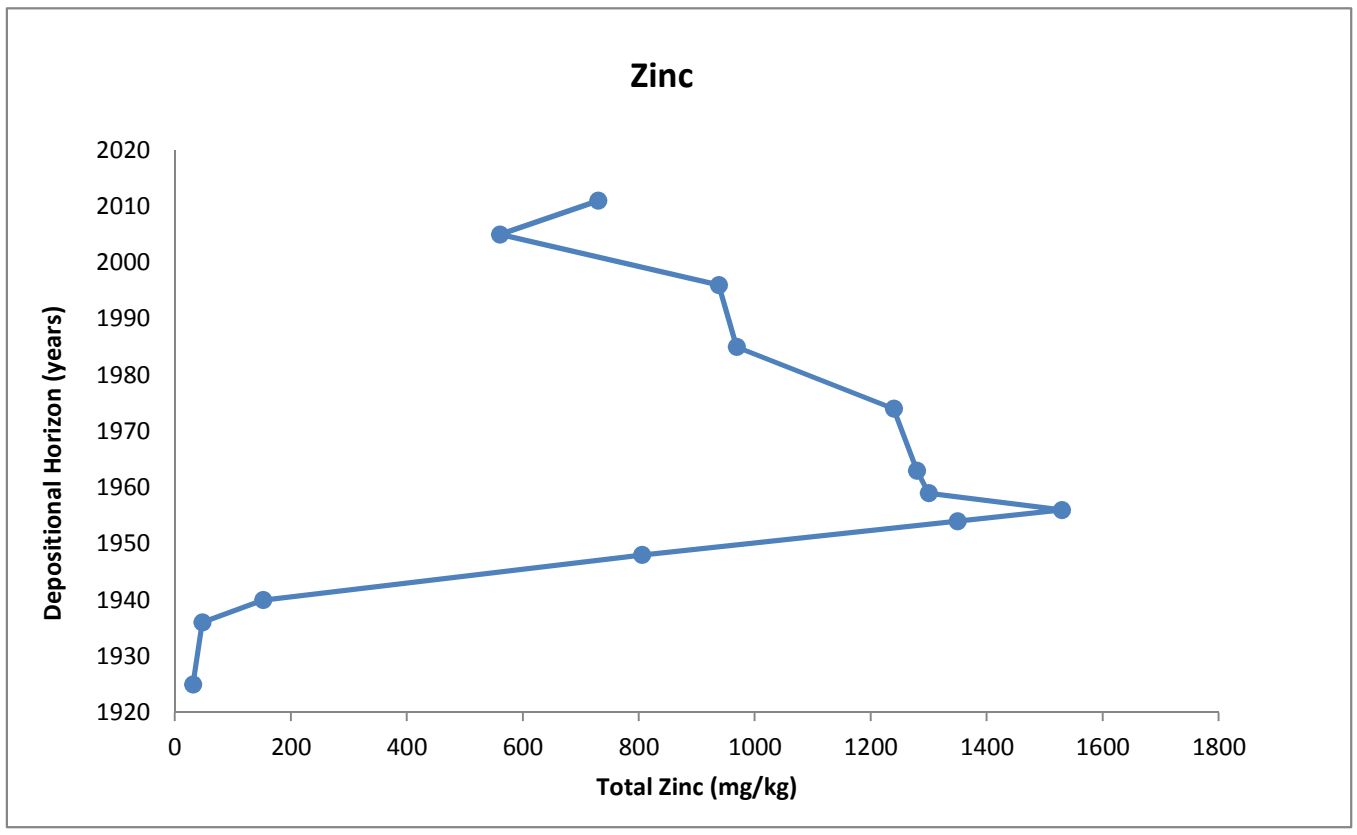
- Contaminant concentration
- Radiological concentration

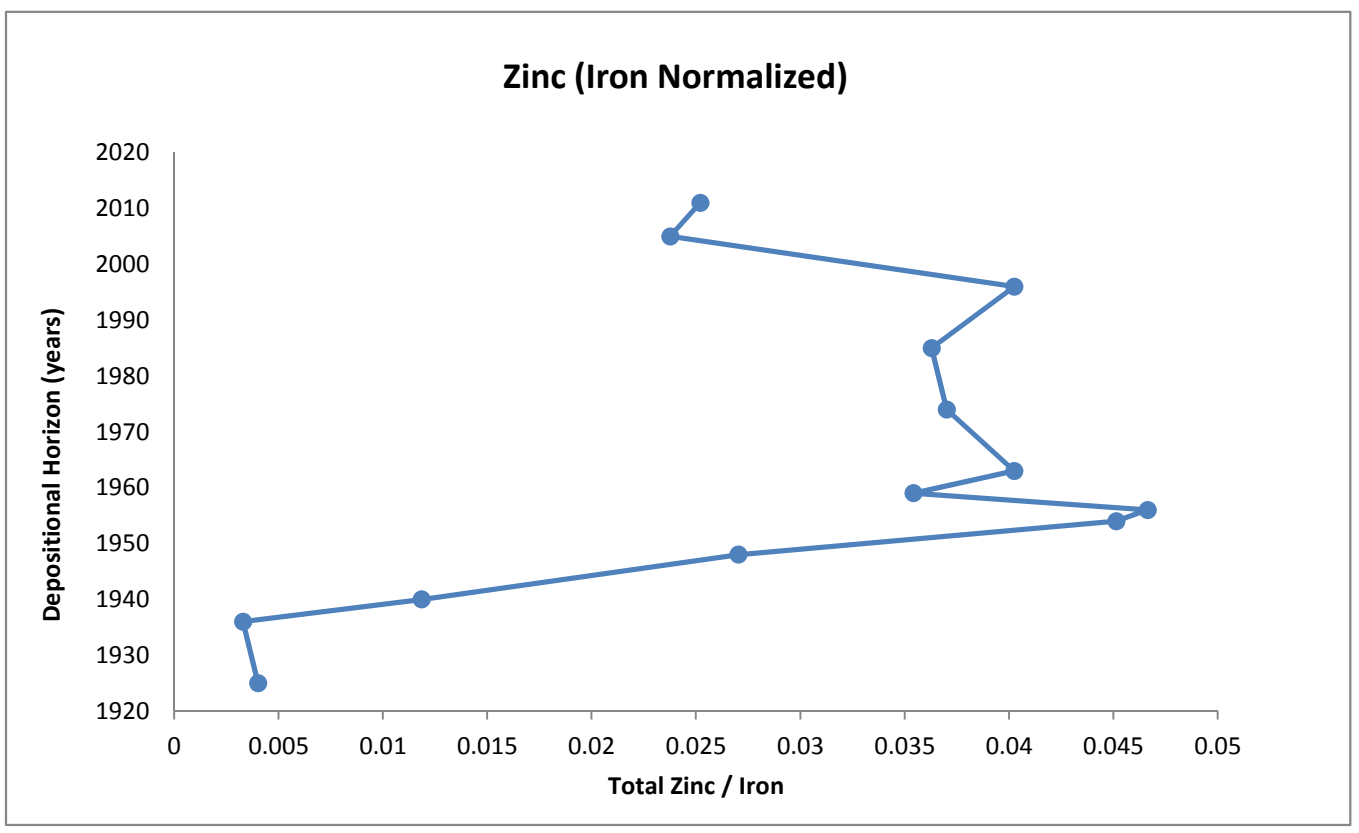
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Silver** *Bound Brook OU4 C/FS*	2013 FIGURE 6-7i







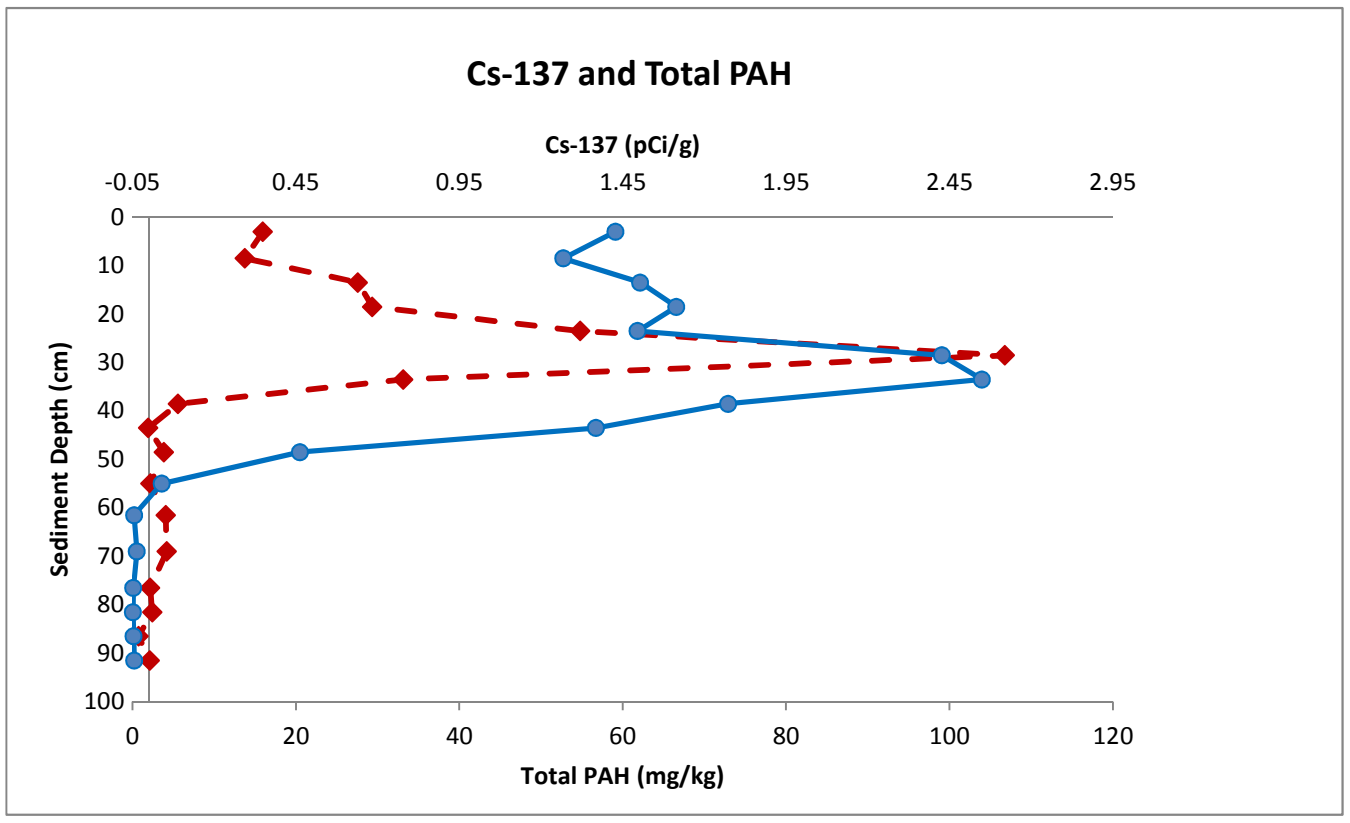
LEGEND:

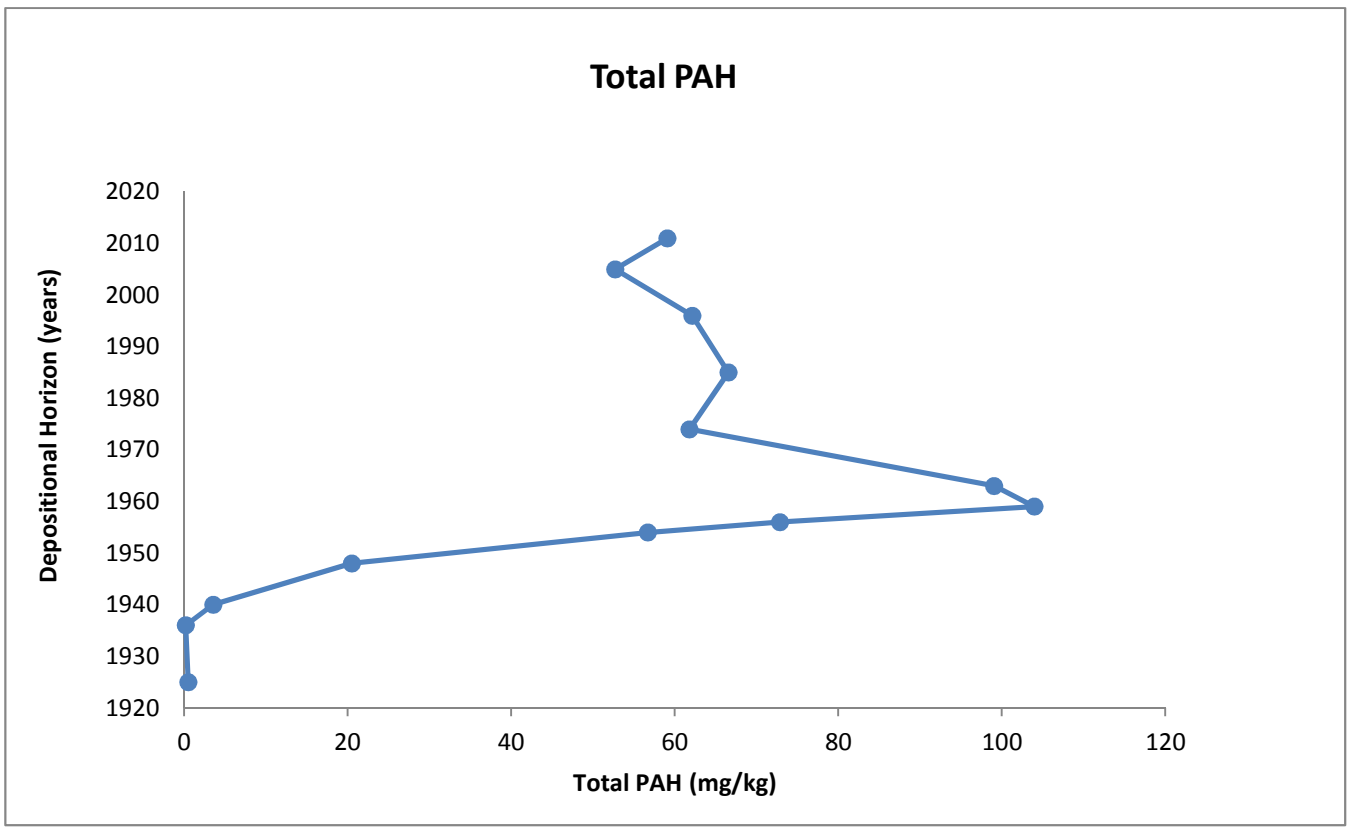
- Contaminant concentration
- Radiological concentration

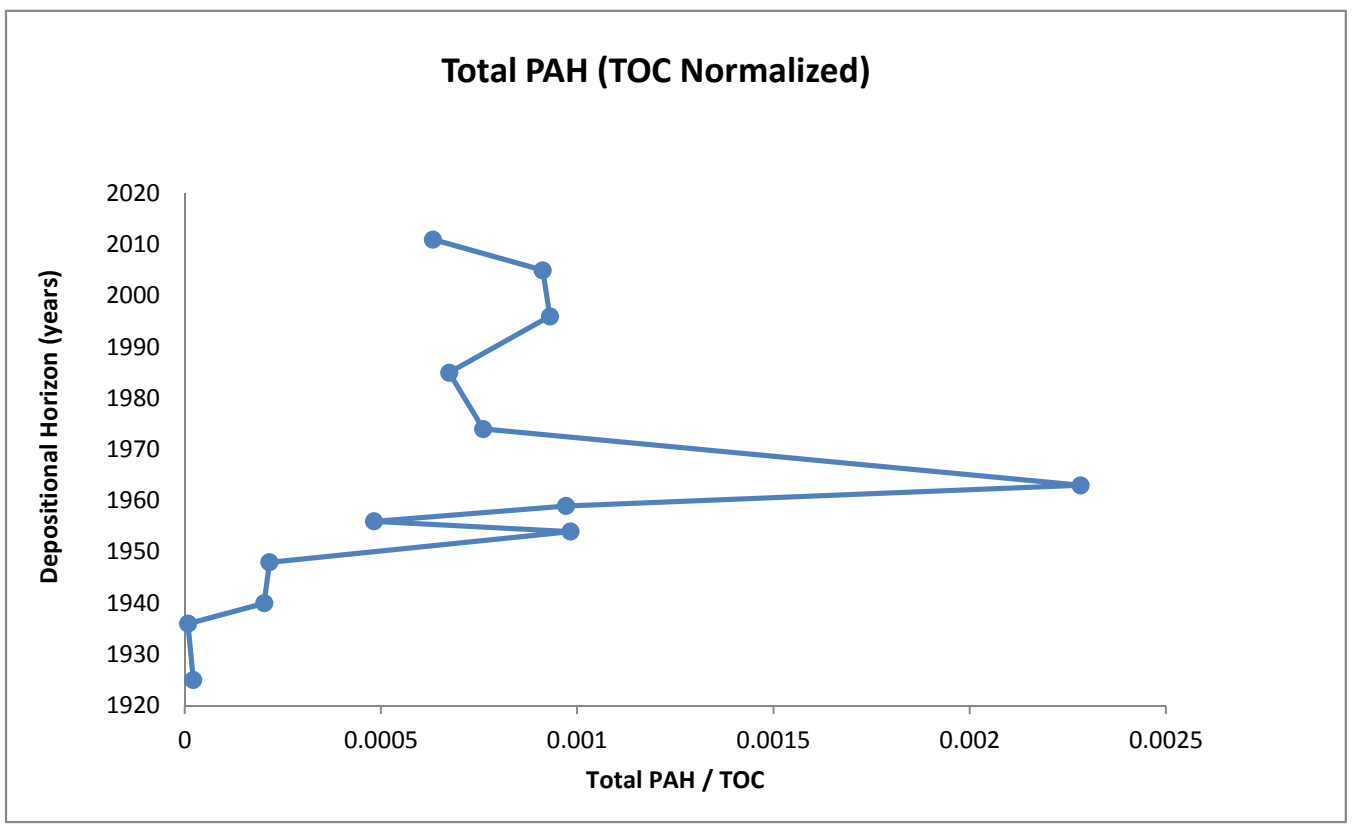
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Zinc** *Bound Brook OU4 C/FS*	2013 FIGURE 6-7j







LEGEND:

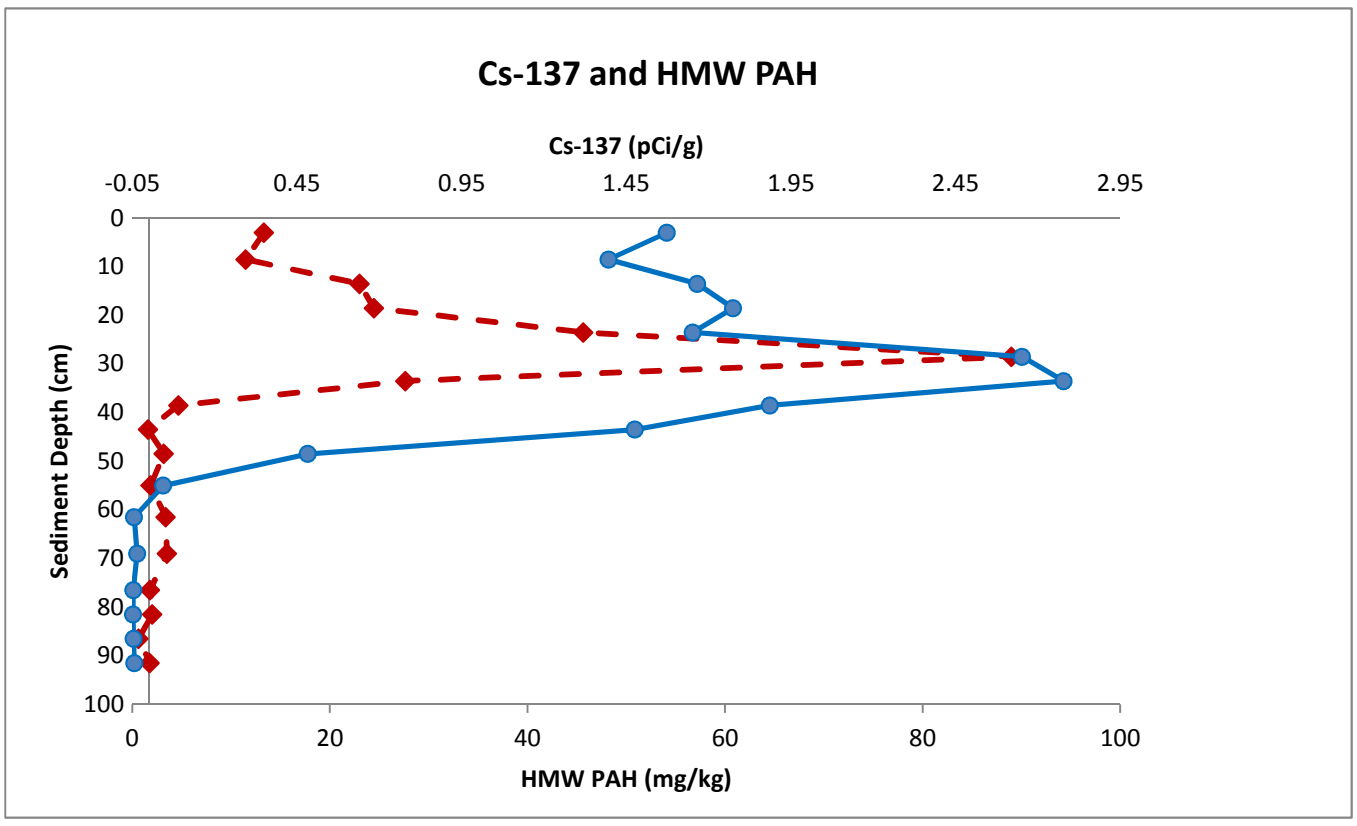
- Contaminant concentration
- Radiological concentration

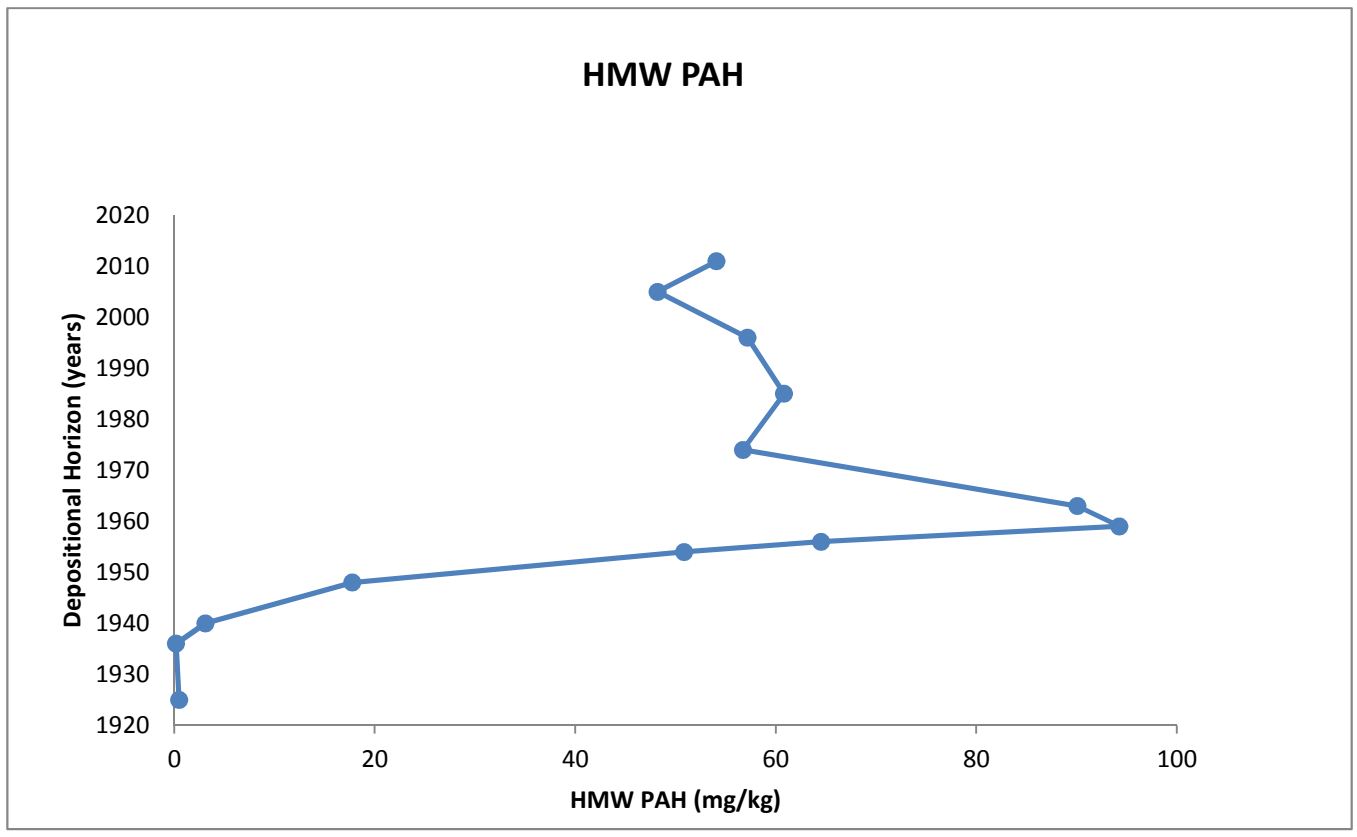
TOC denotes Total Organic Carbon

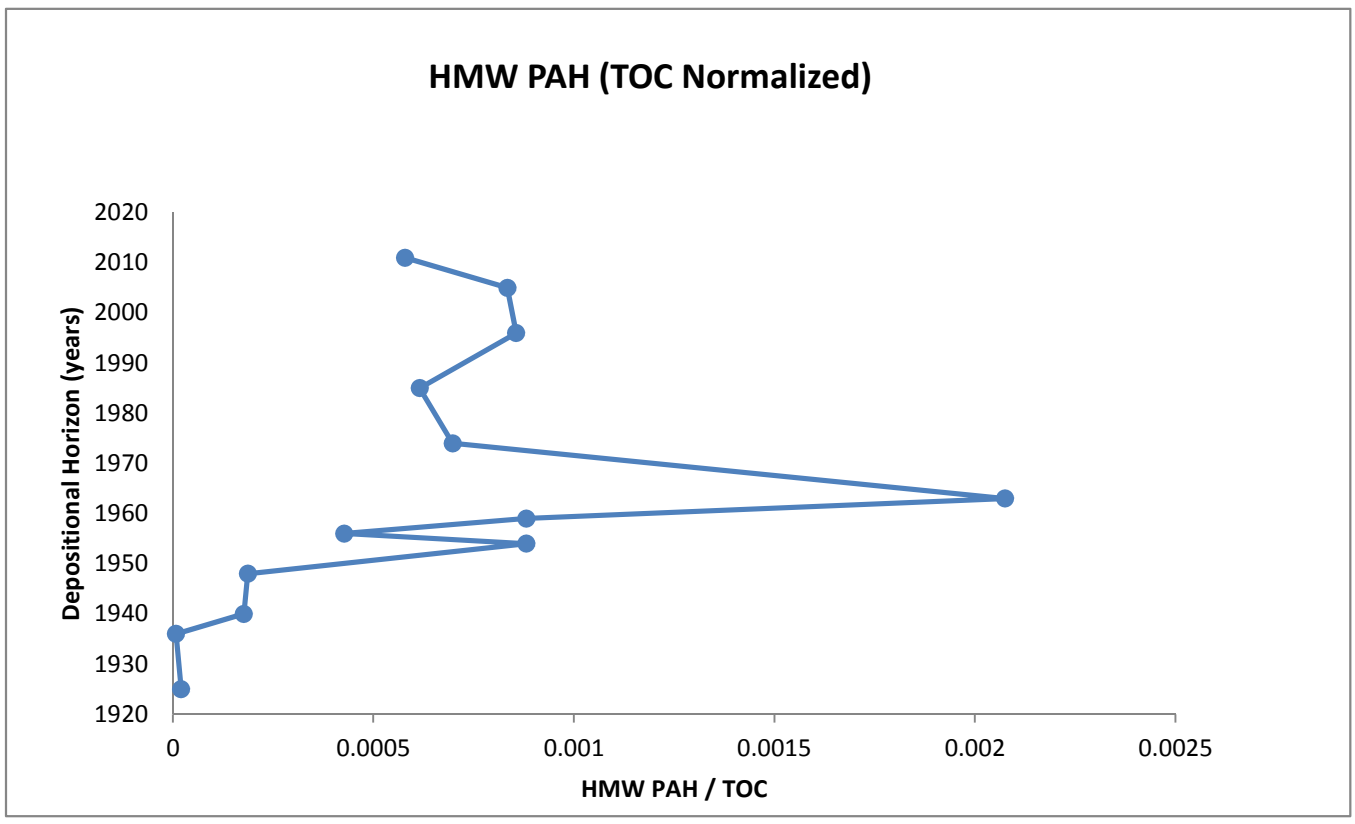
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Total PAH** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7k







LEGEND:

- Contaminant concentration
- Radiological concentration

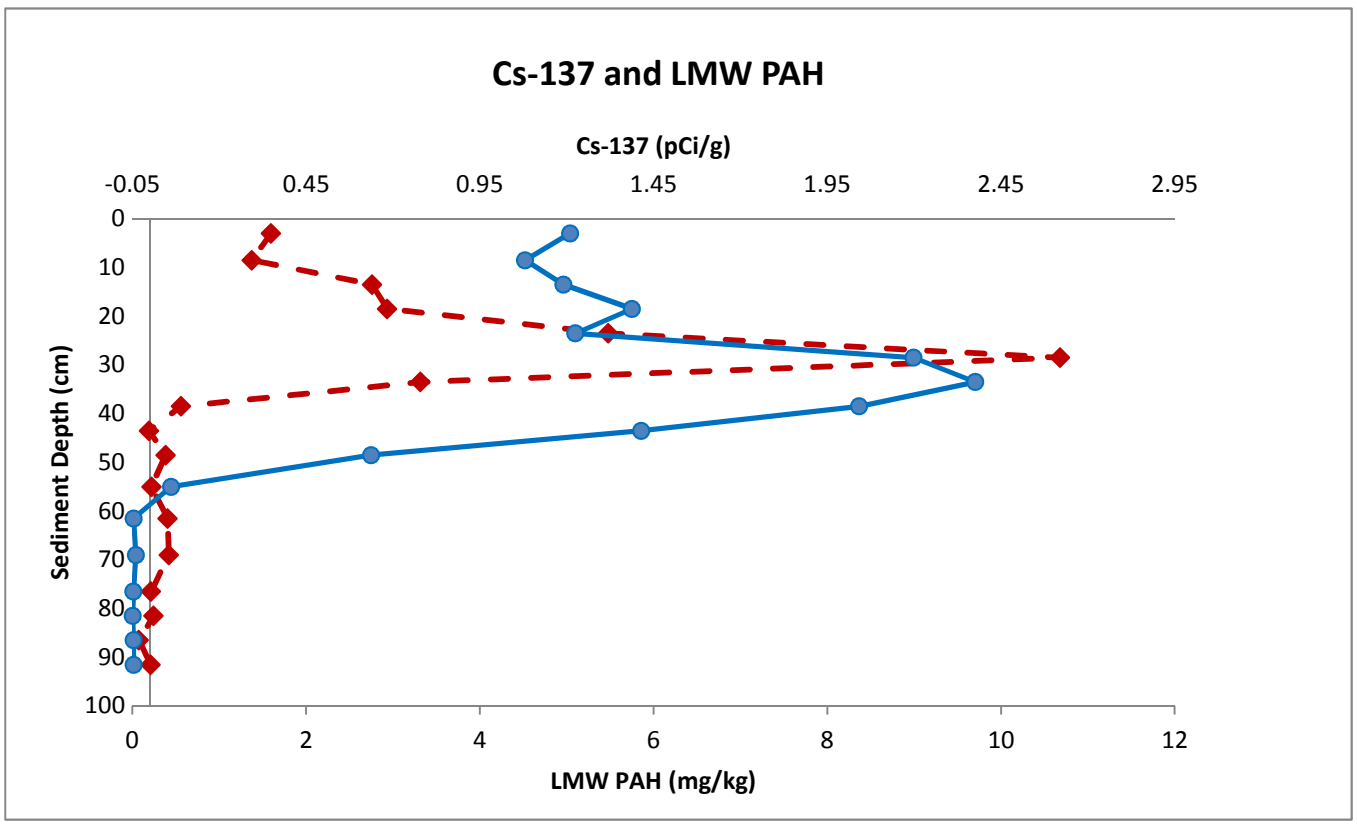
TOC denotes Total Organic Carbon

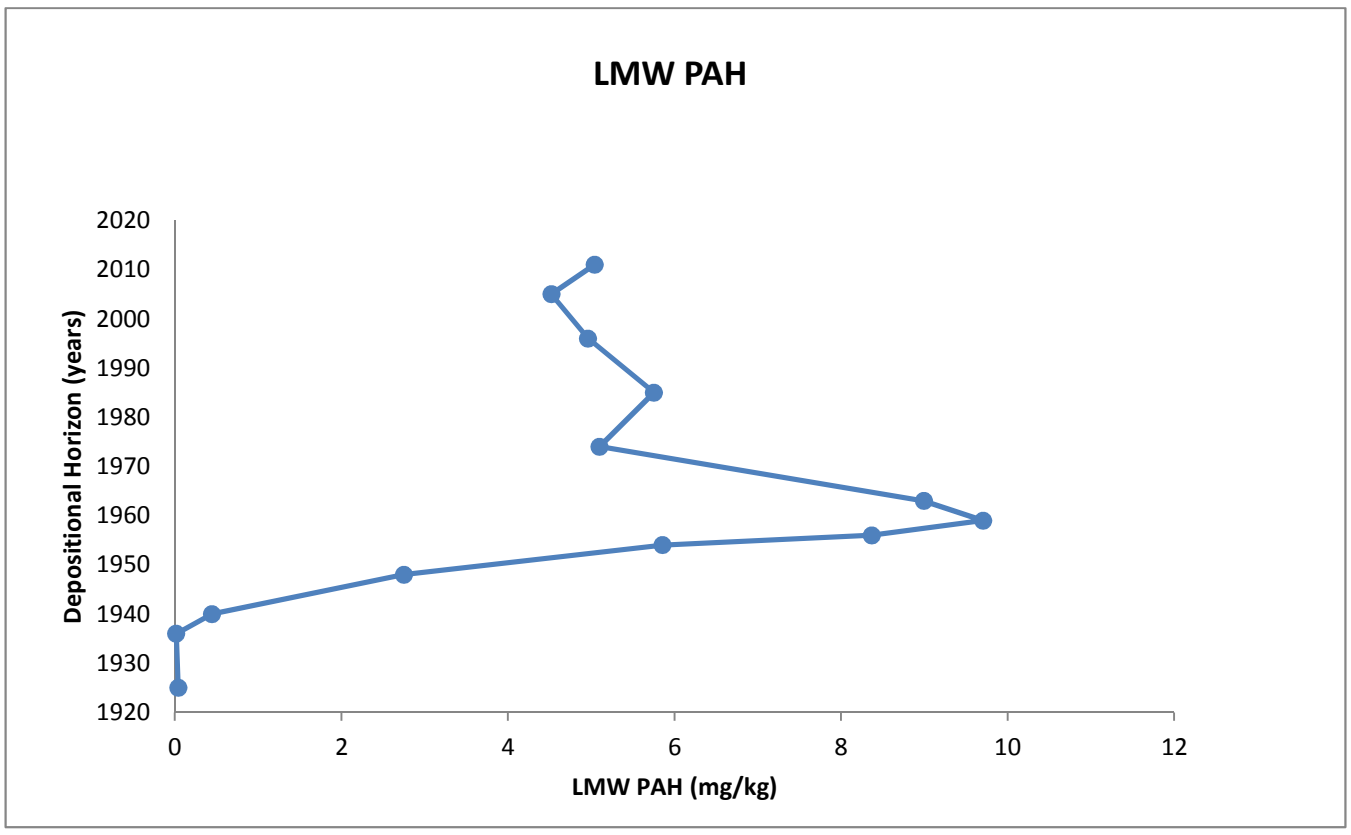
HMW PAH denotes High Molecular Weight PAHs

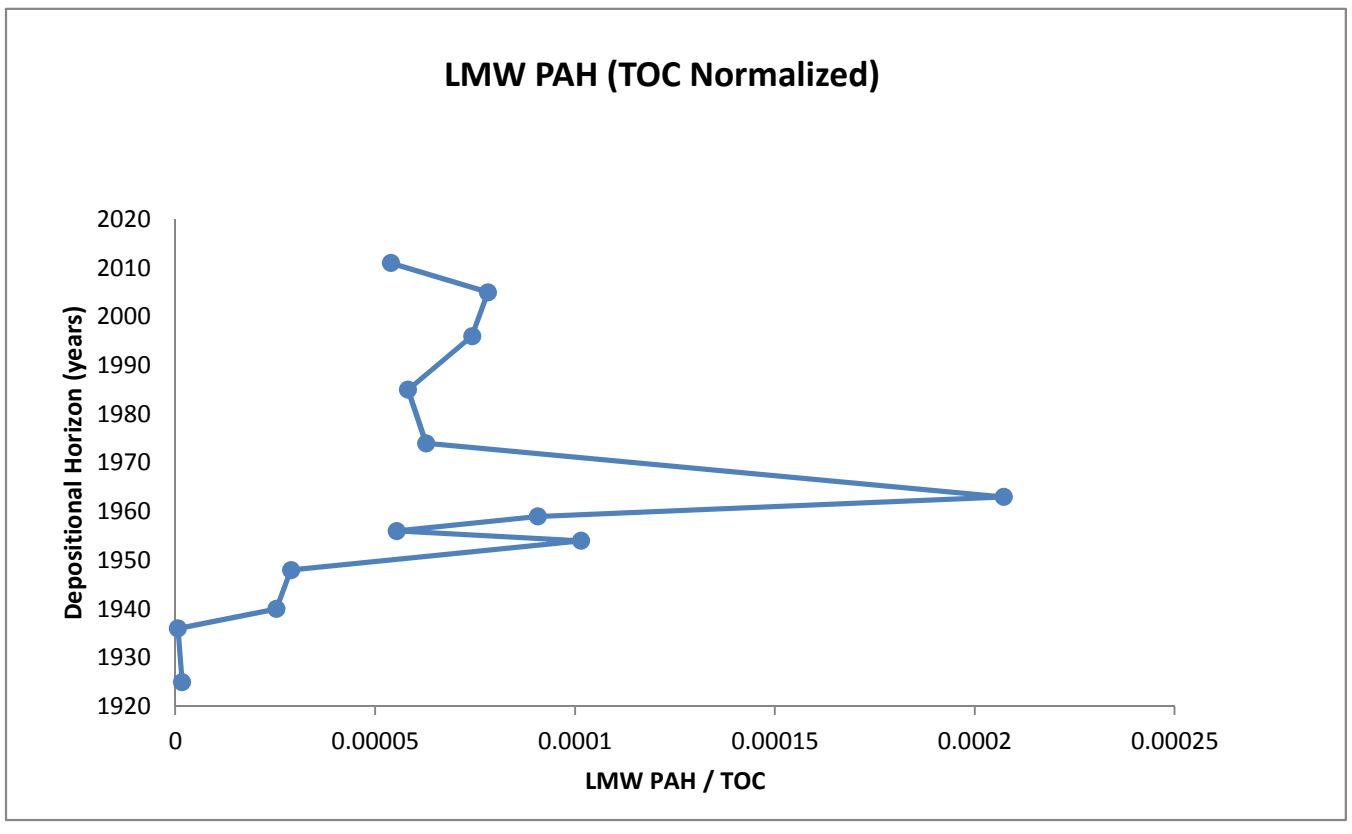
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for HMW PAH** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7l







LEGEND:

Contaminant concentration

Radiological concentration

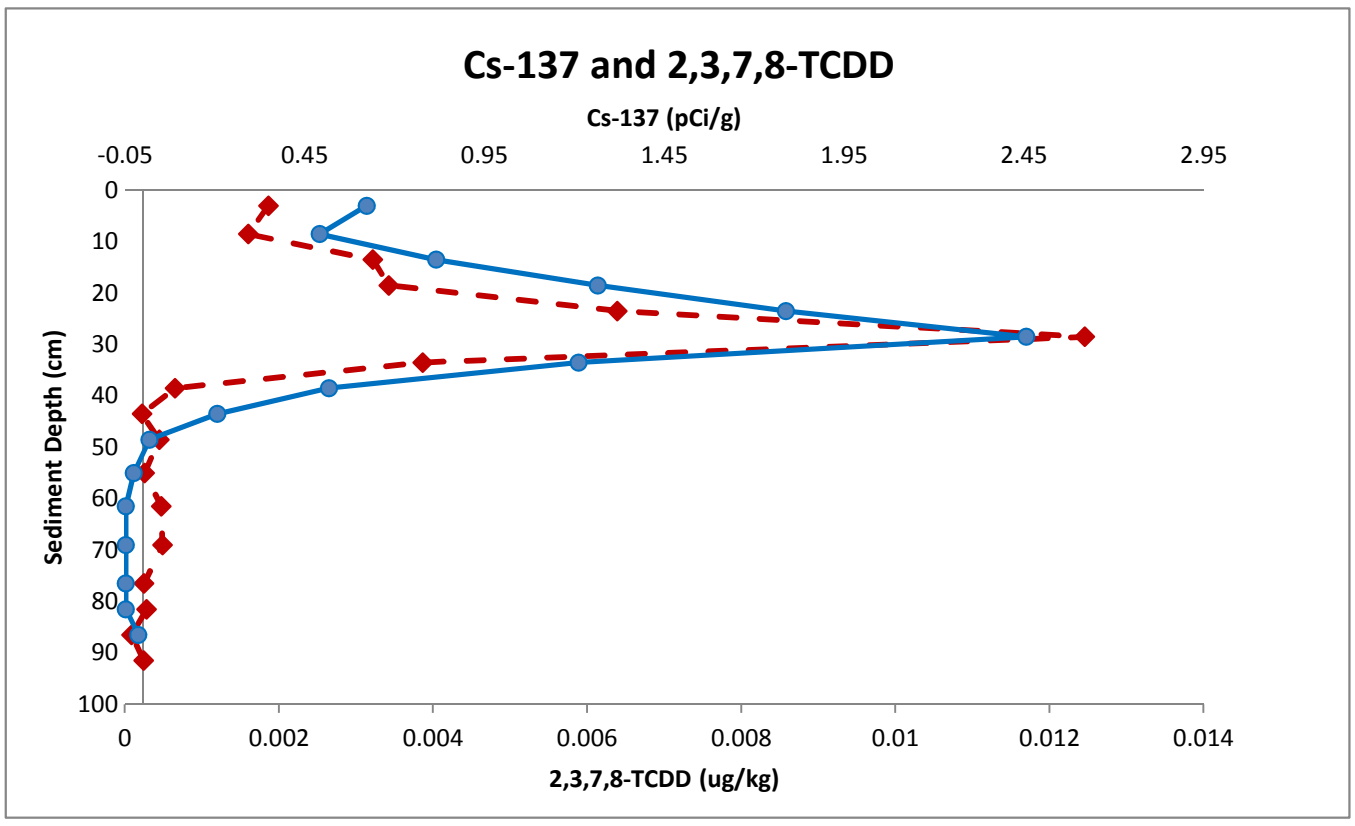
TOC denotes Total Organic Carbon

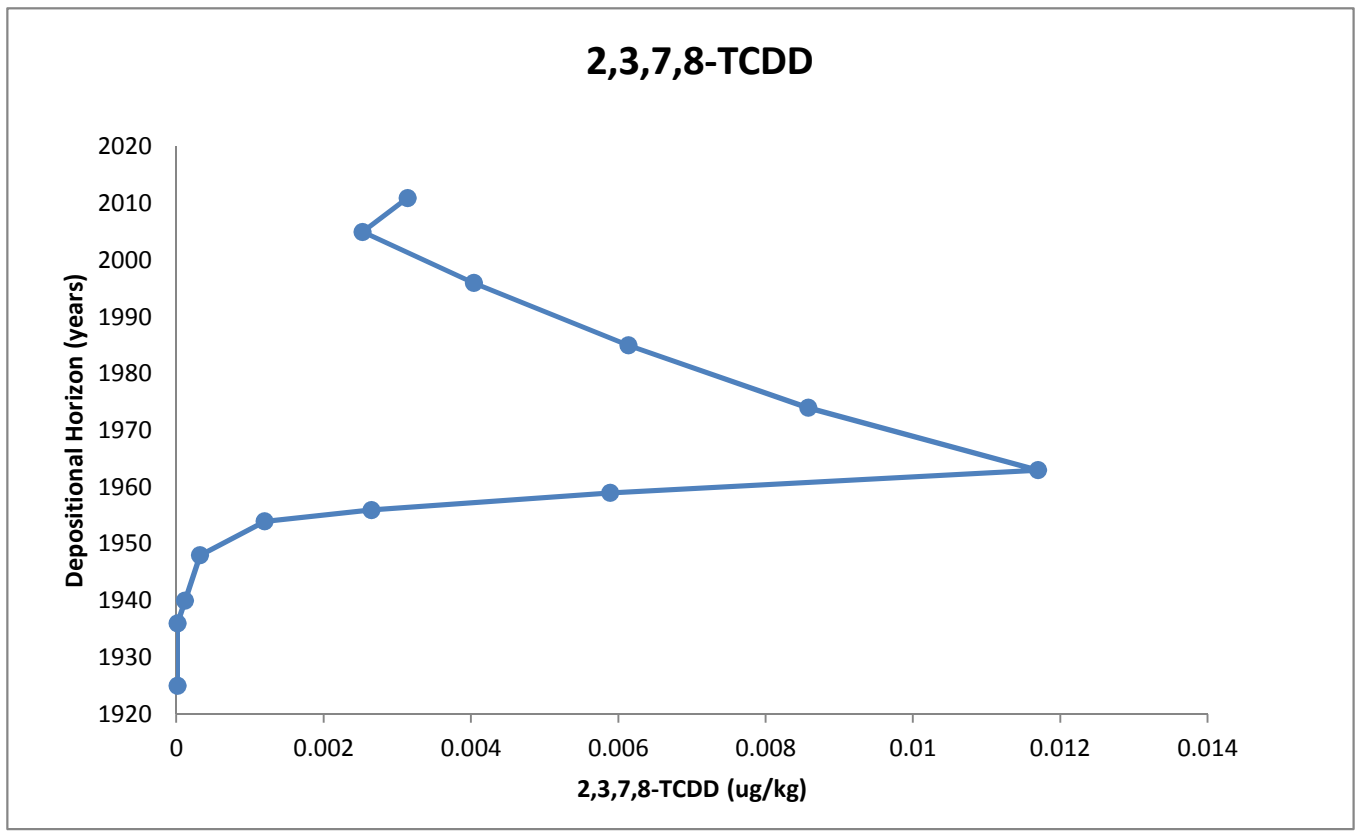
LMW PAH denotes Low Molecular Weight PAHs

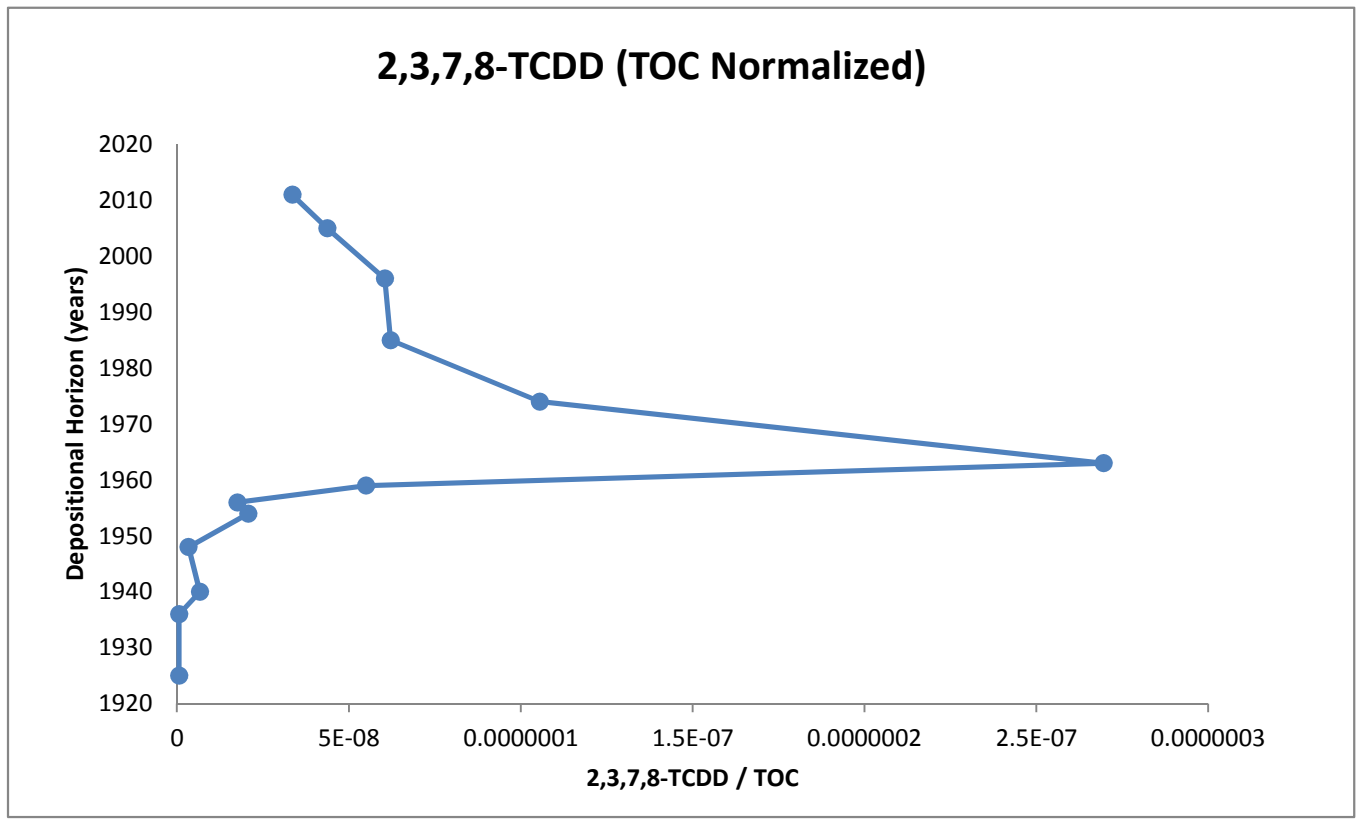
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for LMW PAH** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-7m







LEGEND:

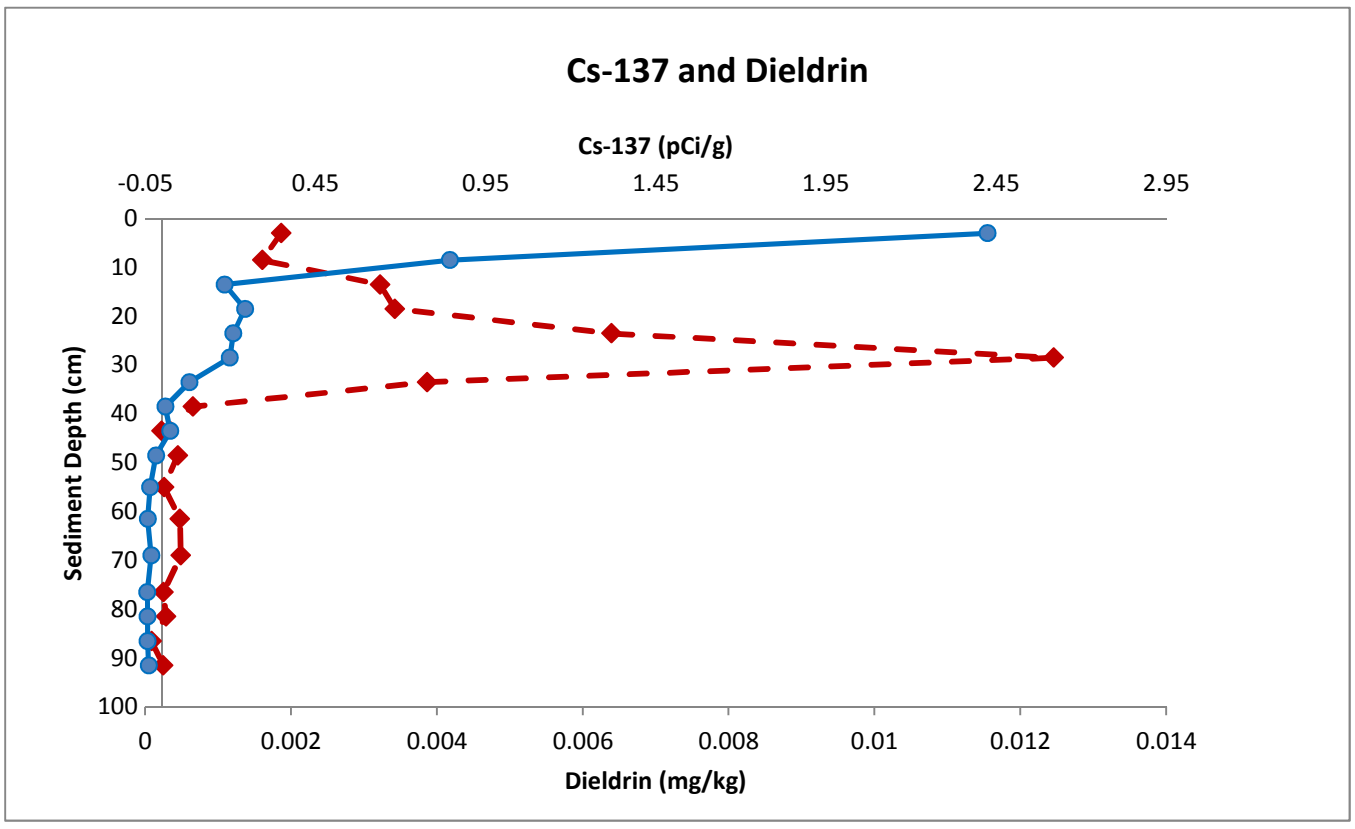
- Contaminant concentration
- Radiological concentration

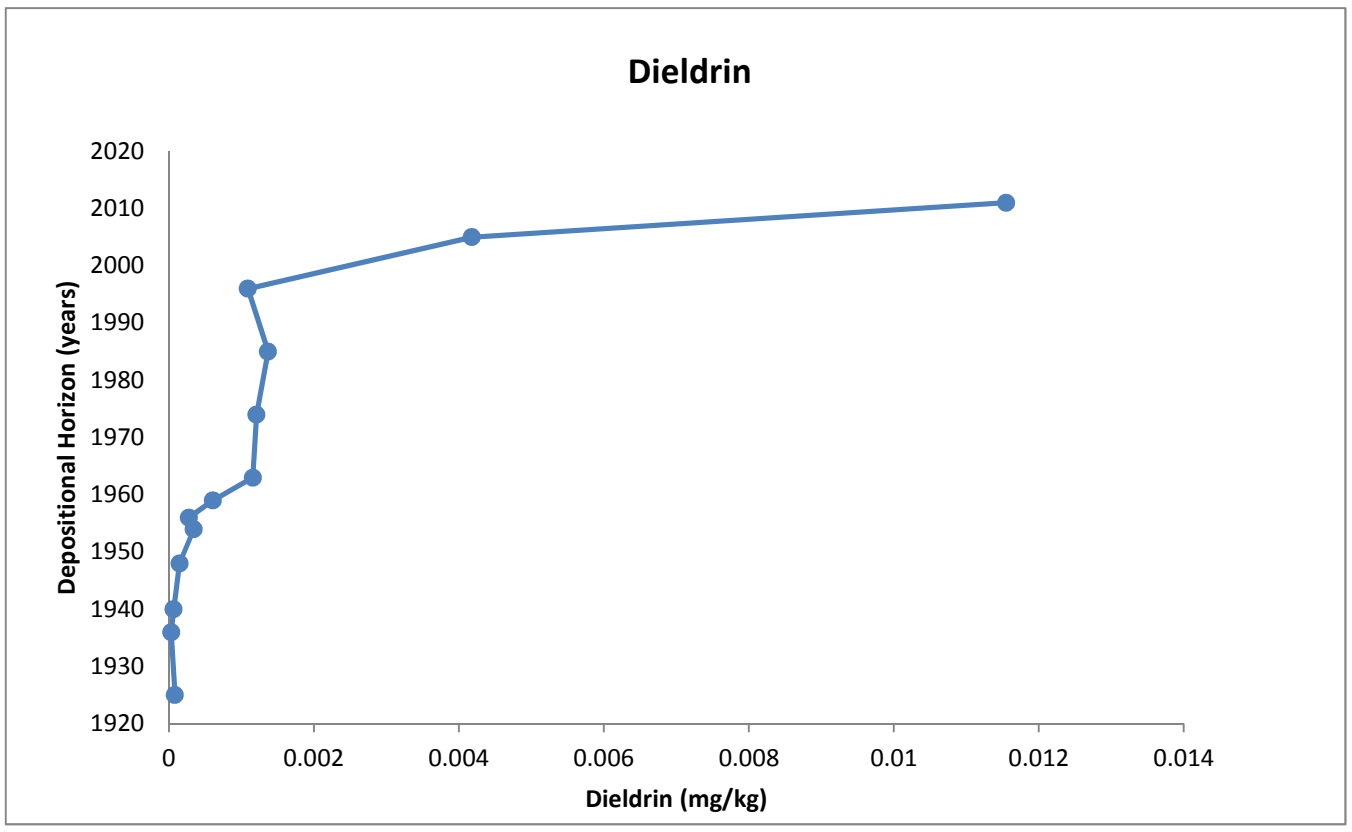
TOC denotes Total Organic Carbon

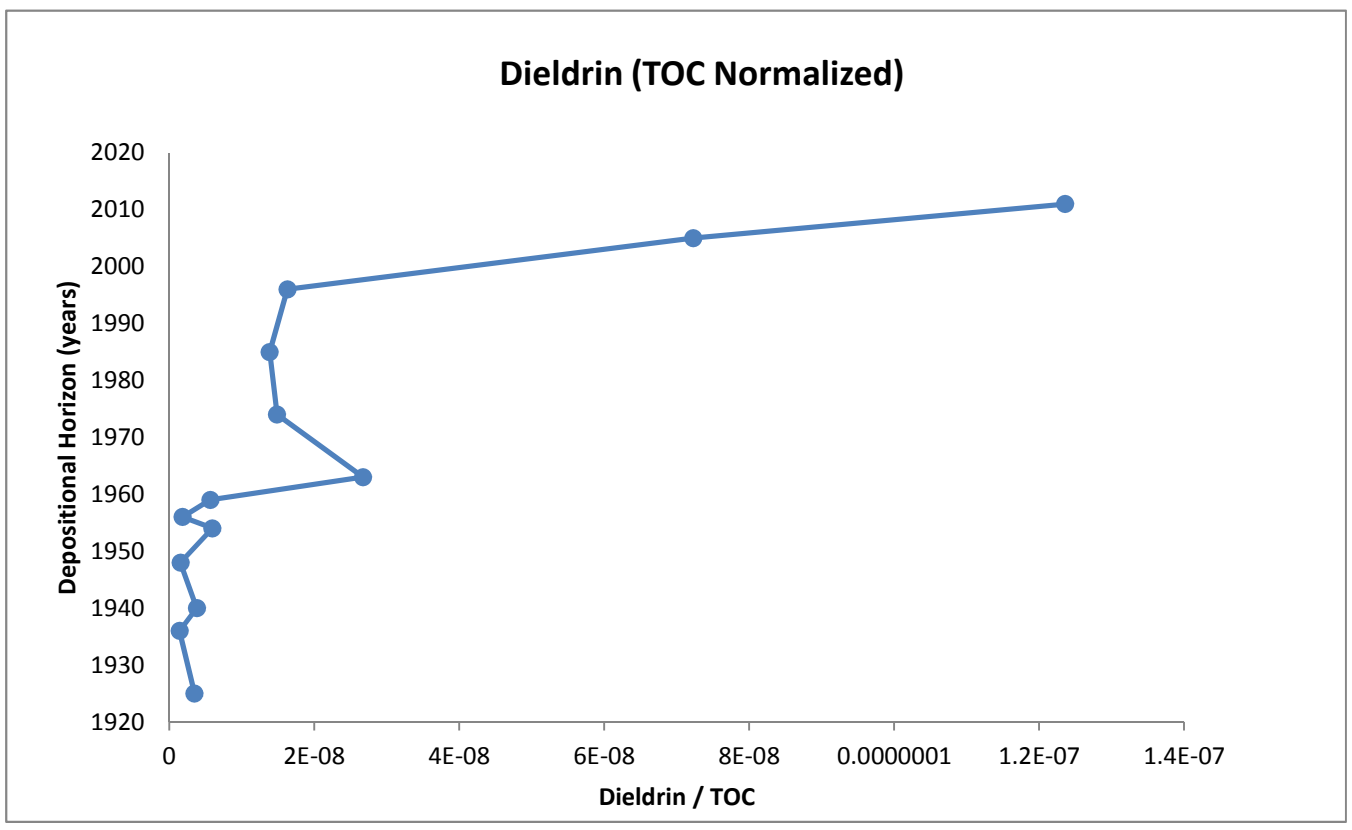
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for 2,3,7,8-TCDD** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7n







LEGEND:

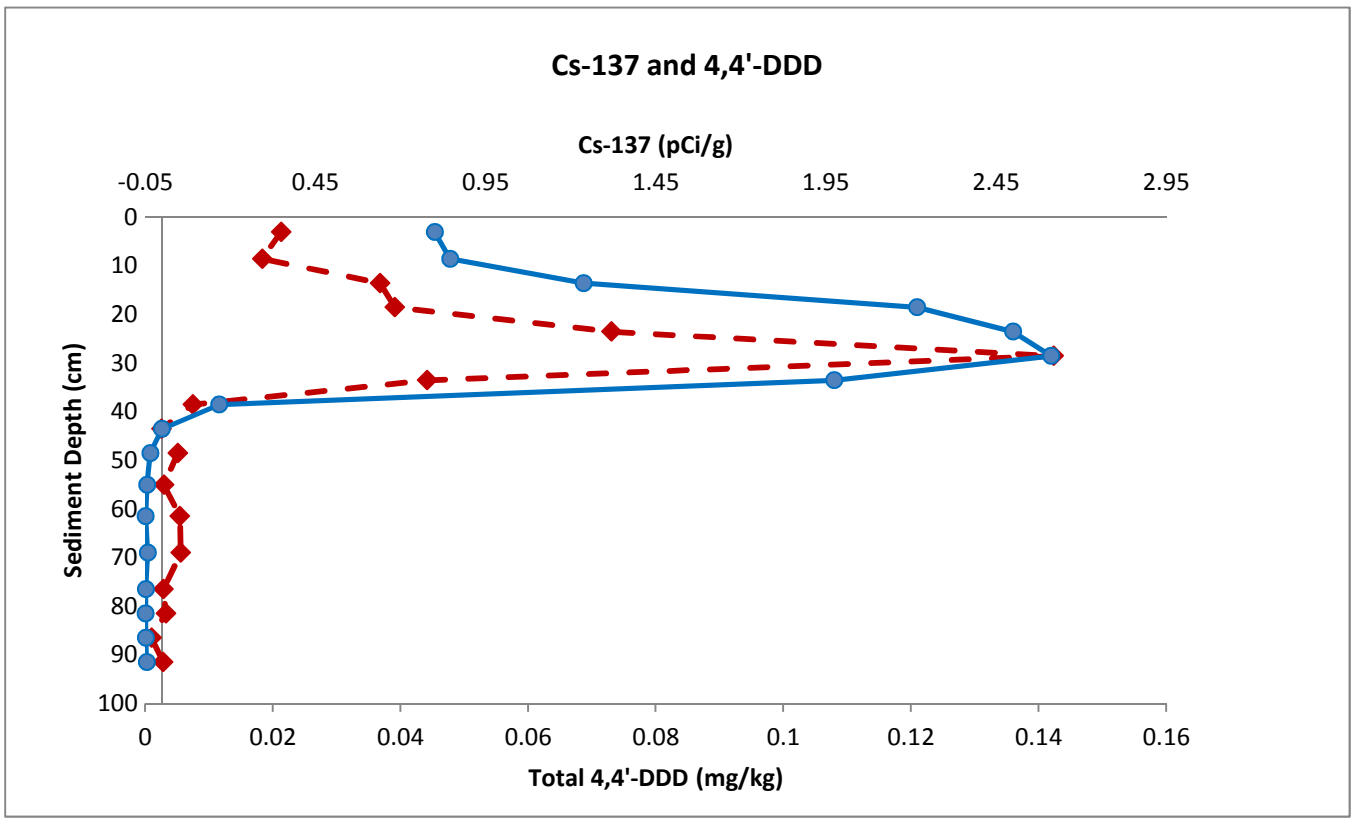
- Contaminant concentration
- Radiological concentration

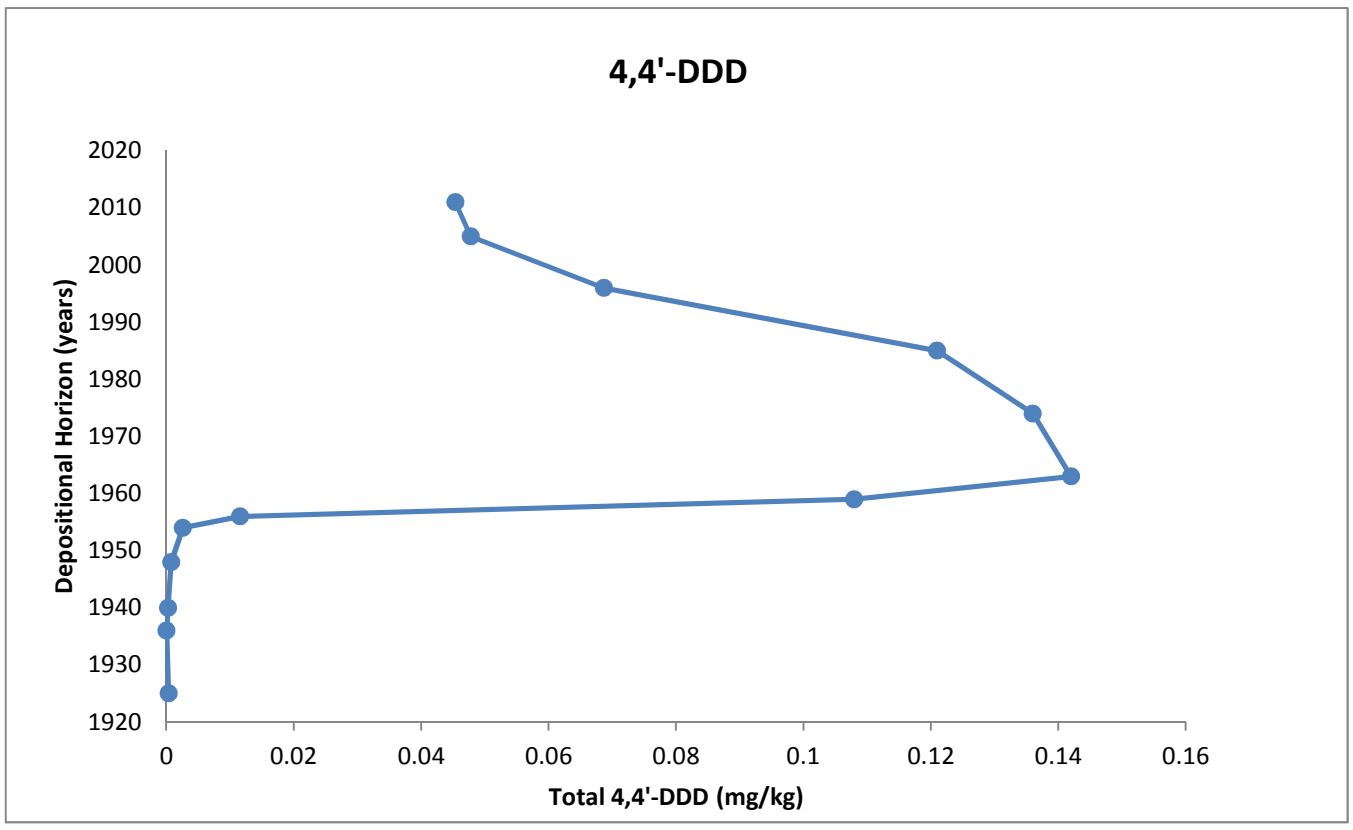
TOC denotes Total Organic Carbon

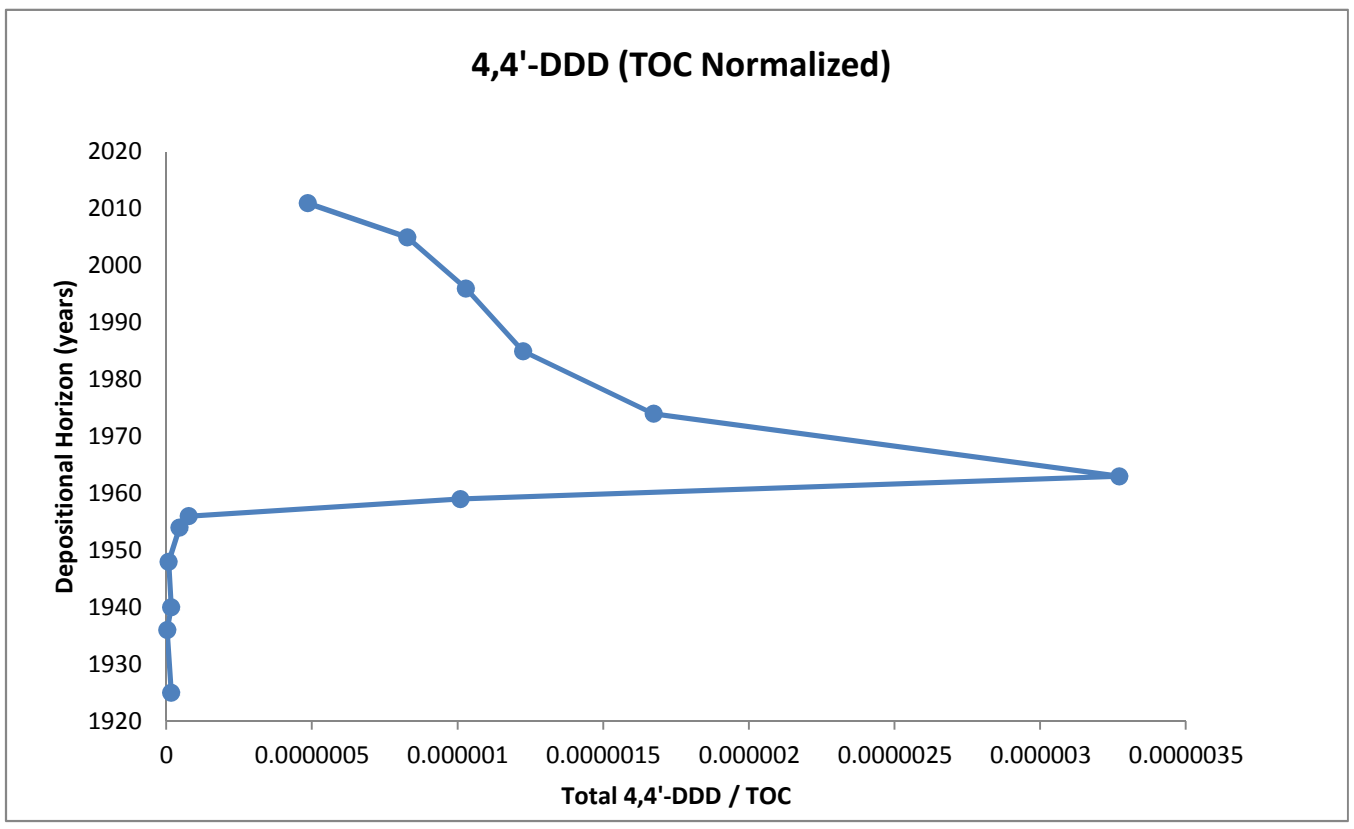
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Dieldrin** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-7o







LEGEND:

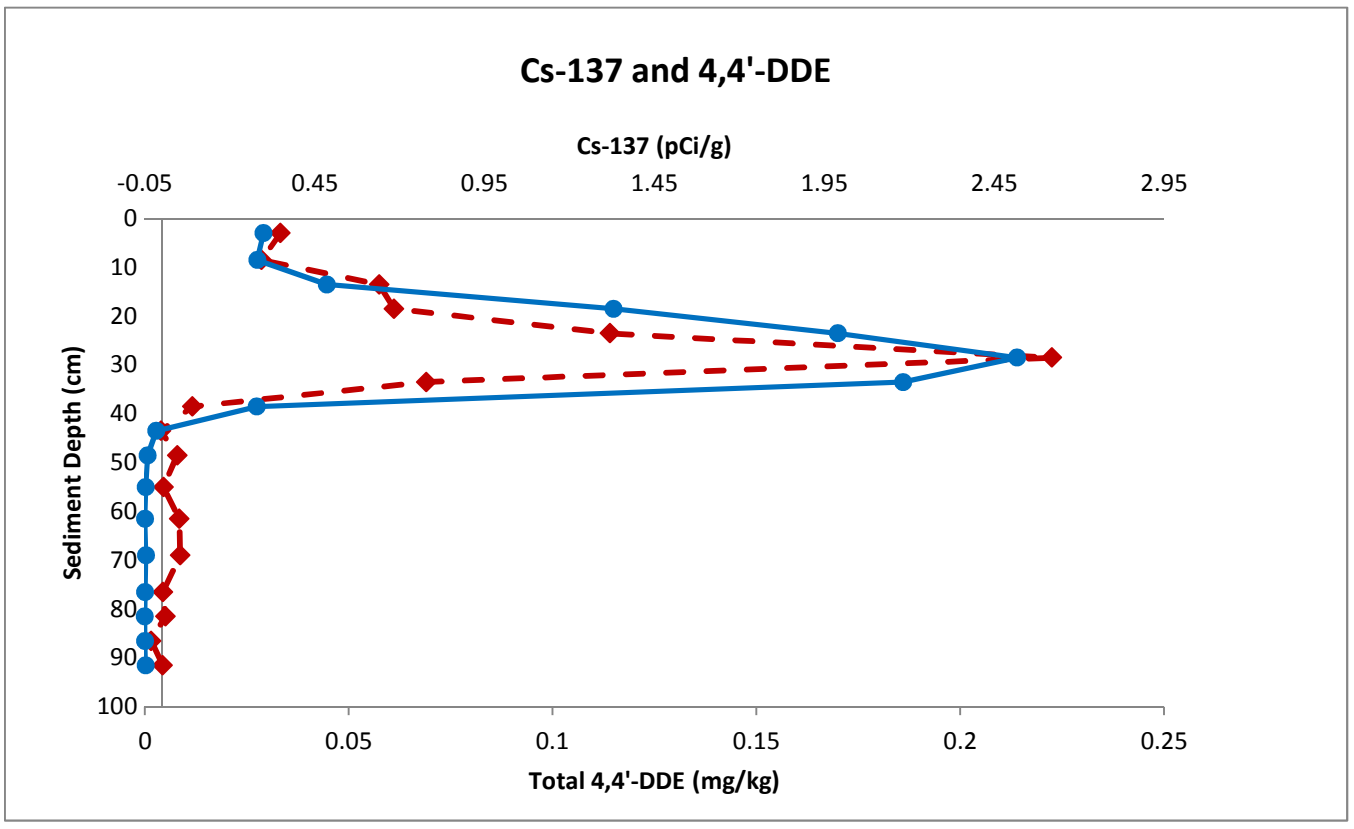
- Contaminant concentration
- Radiological concentration

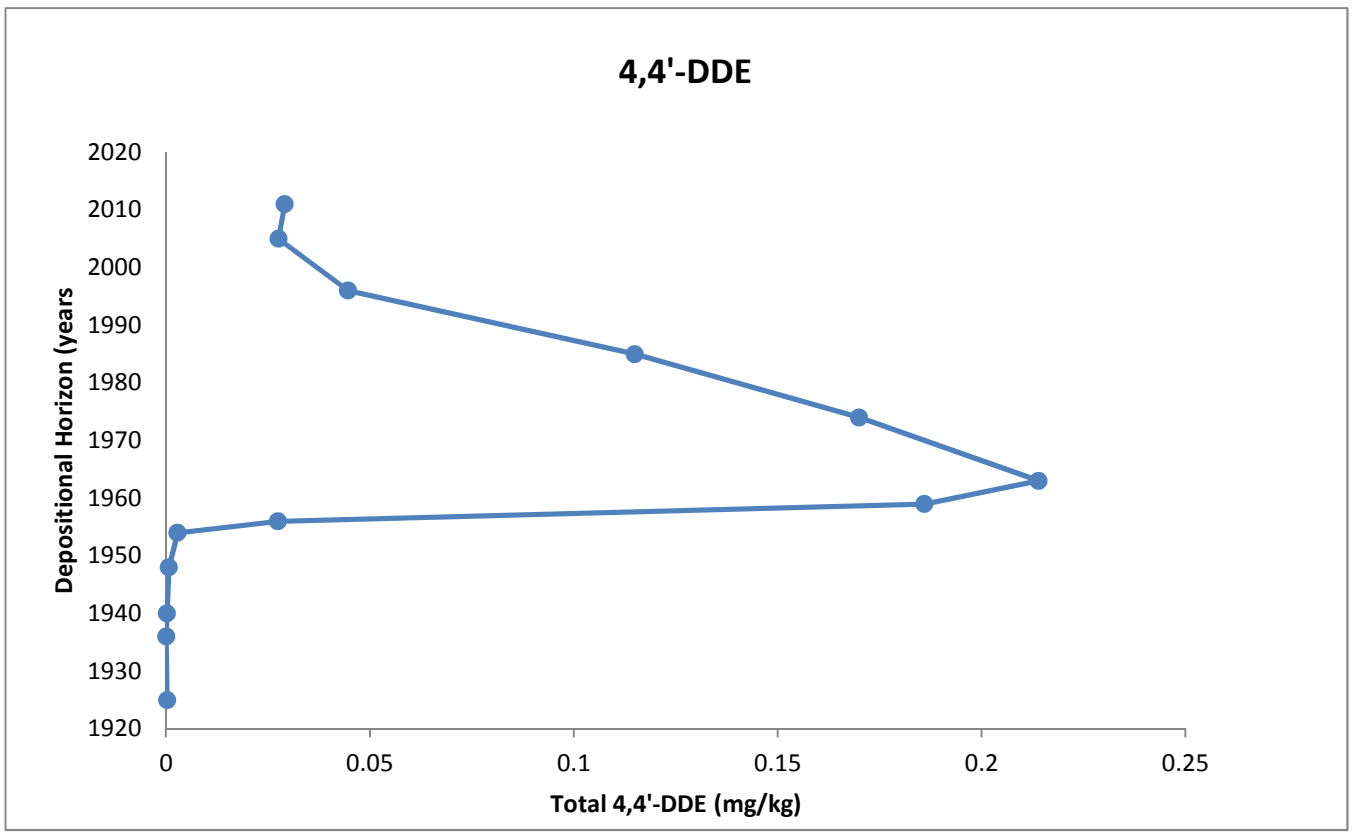
TOC denotes Total Organic Carbon

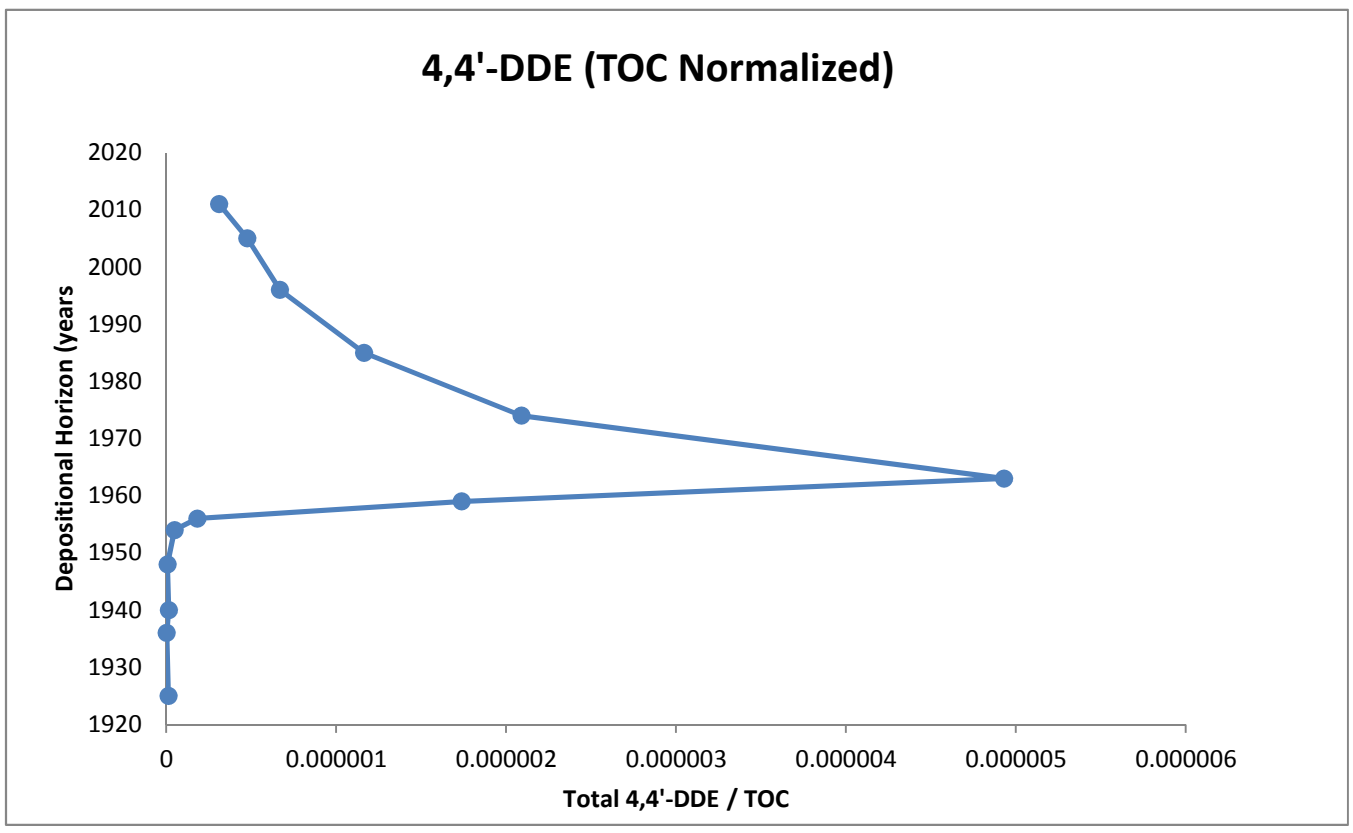
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for 4,4'-DDD** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7p







LEGEND:

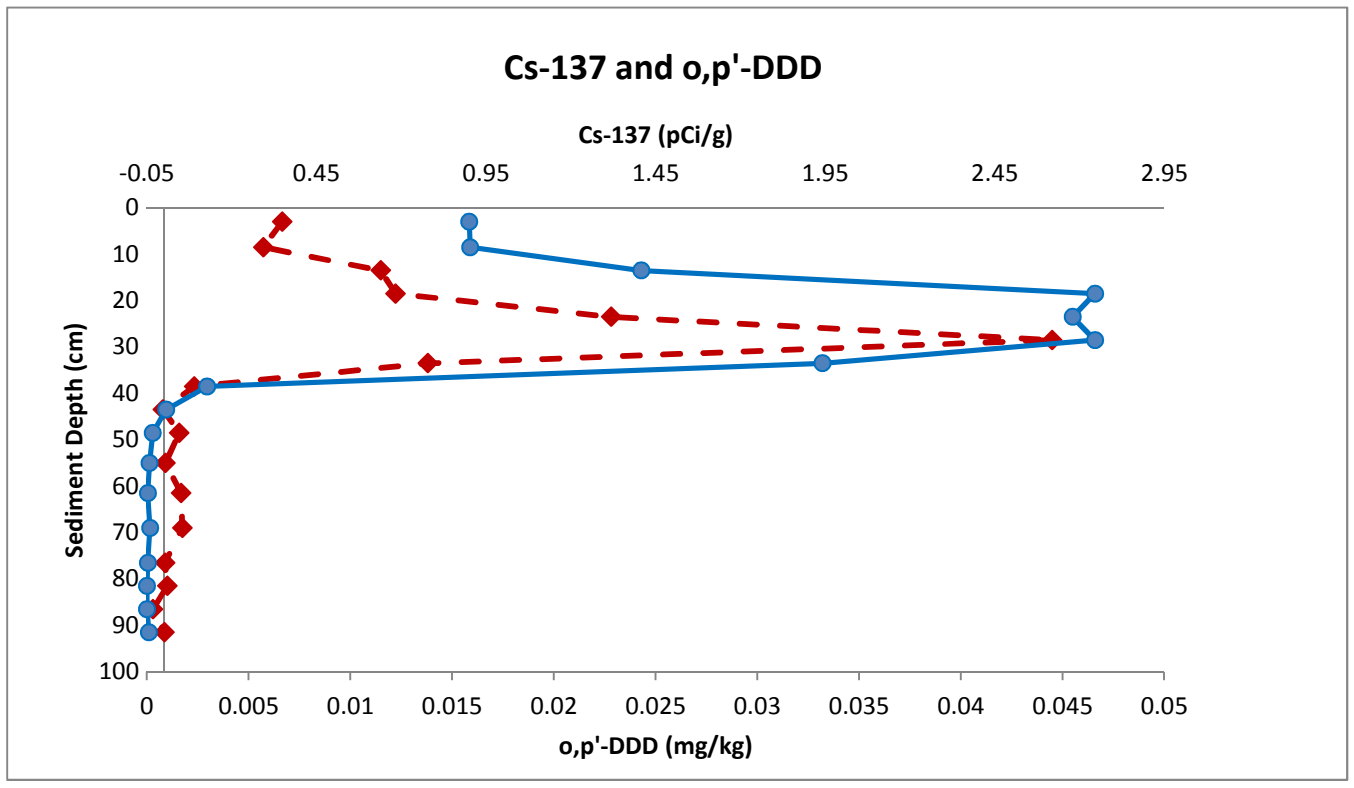
- Contaminant concentration
- Radiological concentration

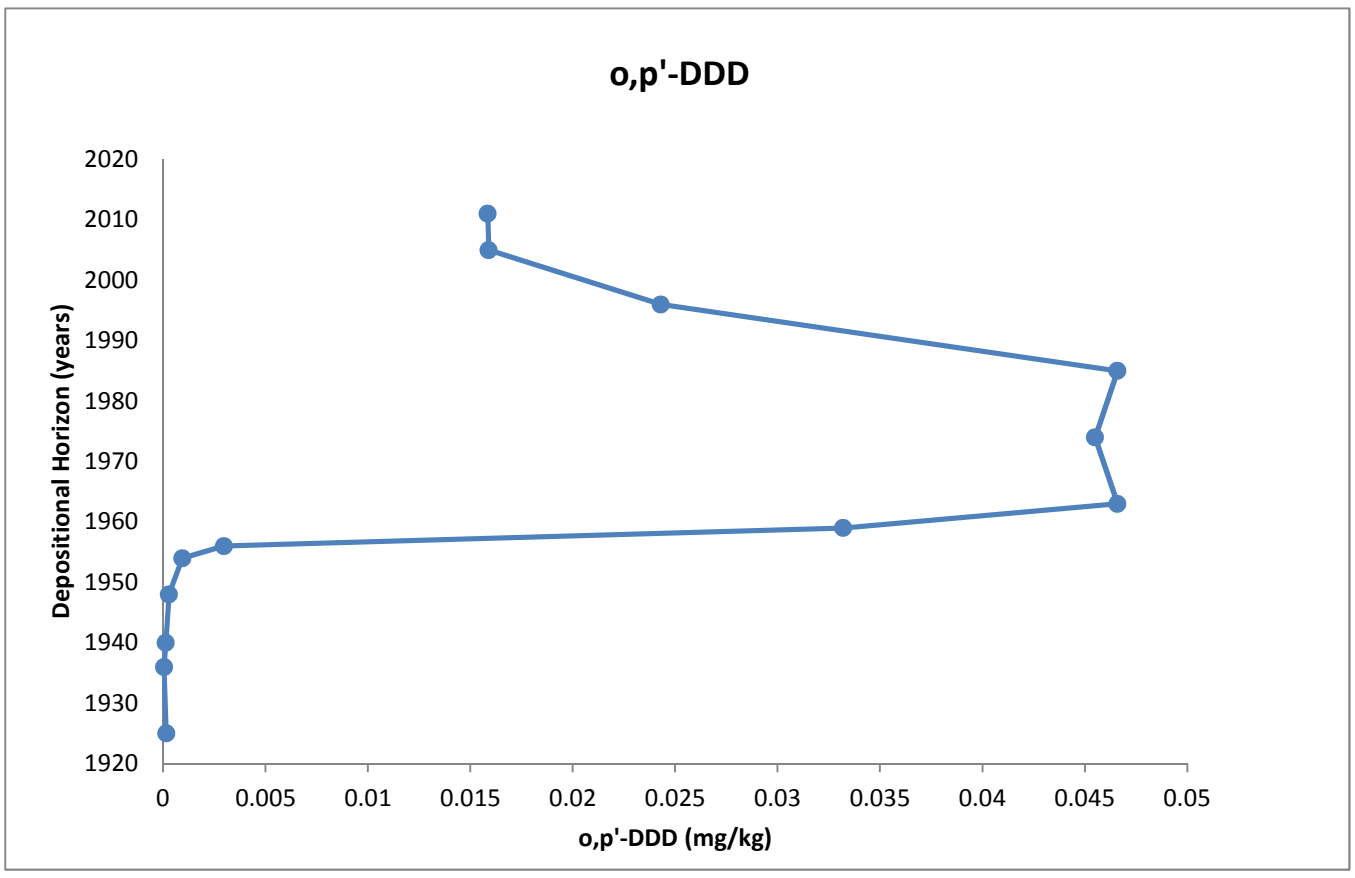
TOC denotes Total Organic Carbon

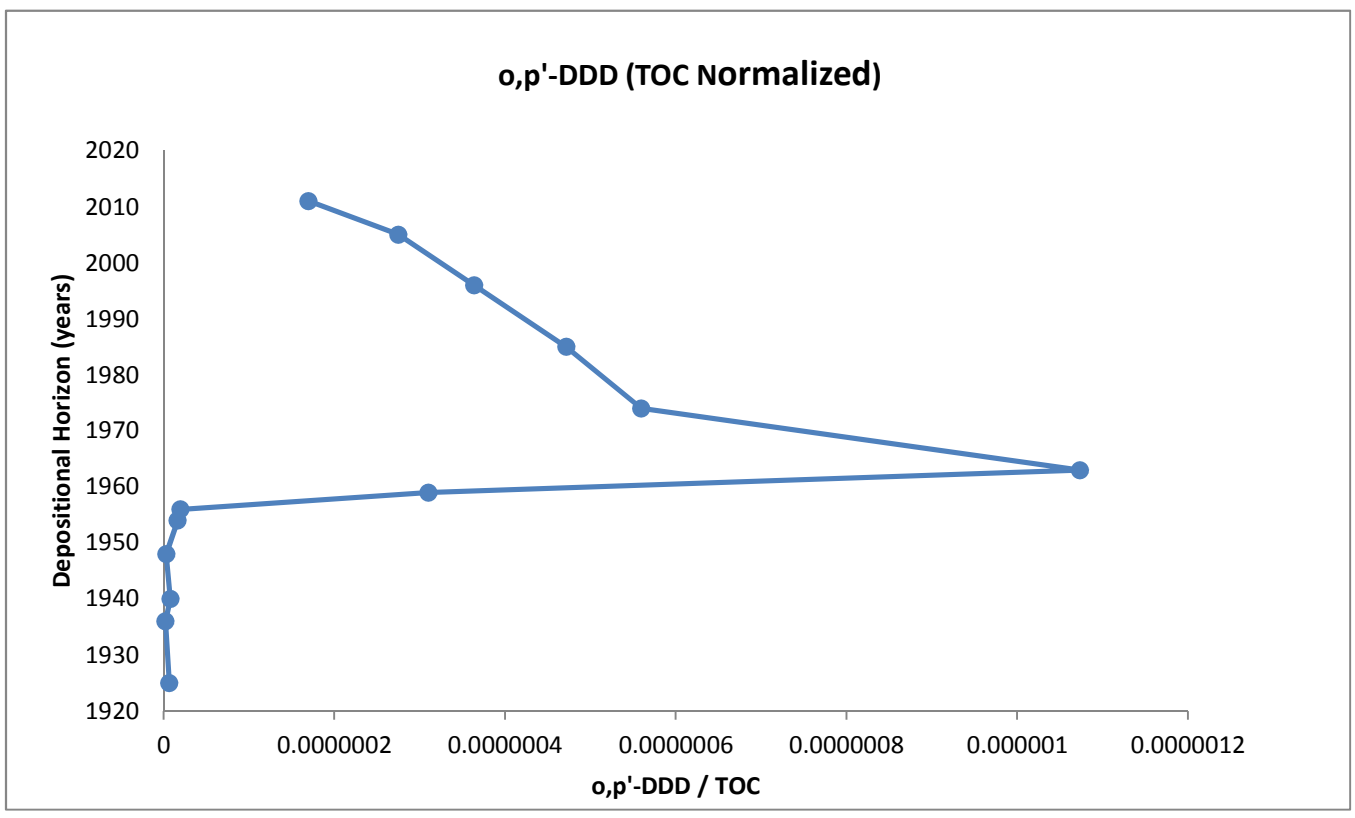
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for 4,4'-DDE** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7q







LEGEND:

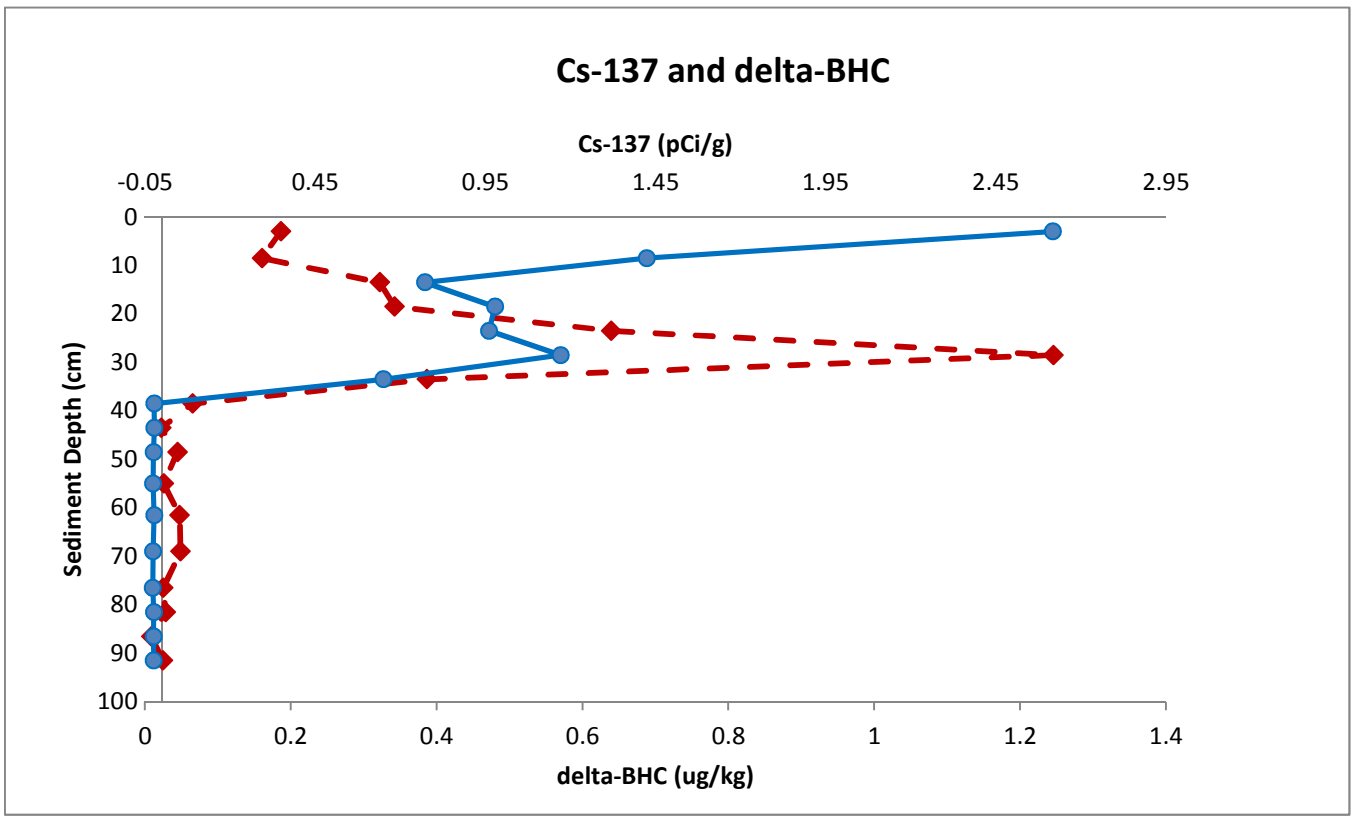
- Contaminant concentration
- Radiological concentration

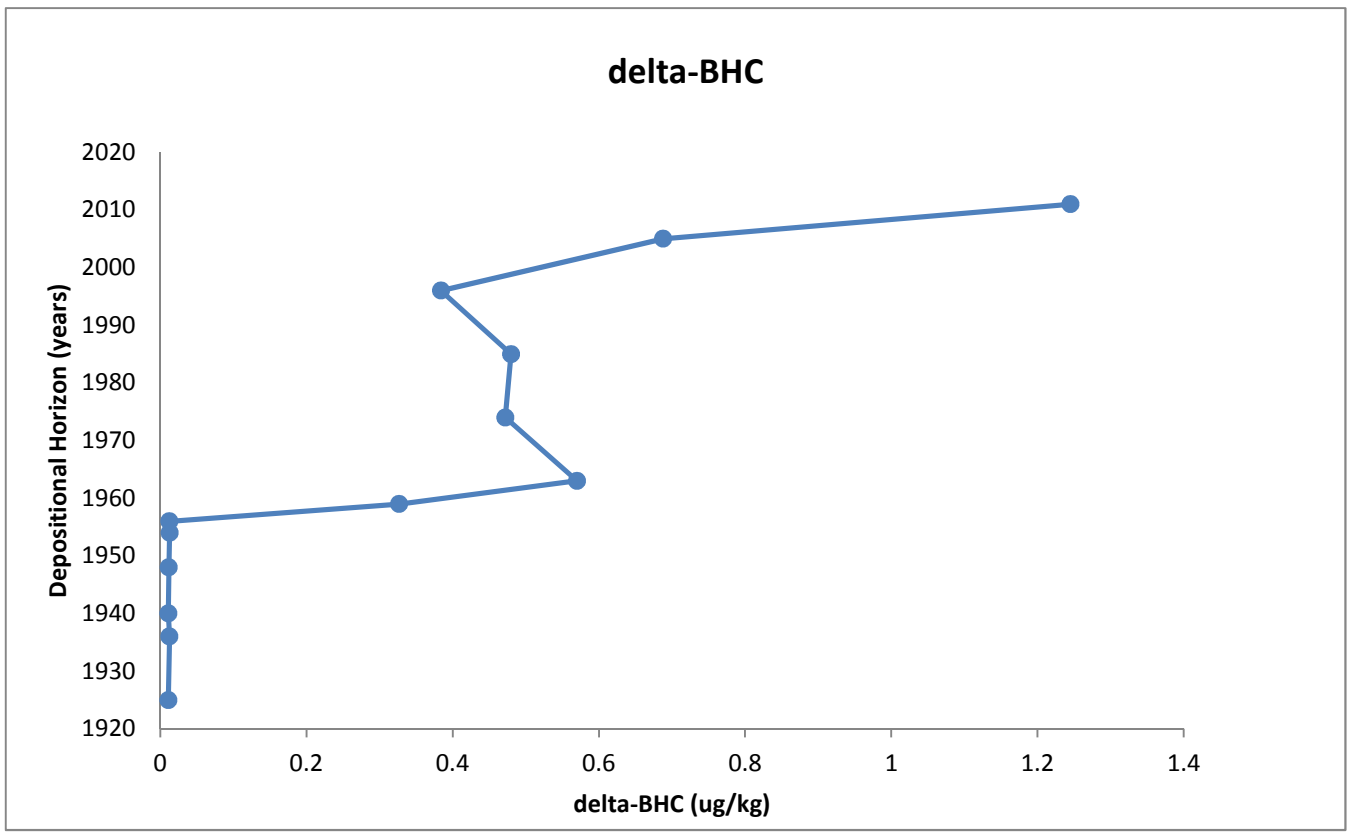
TOC denotes Total Organic Carbon

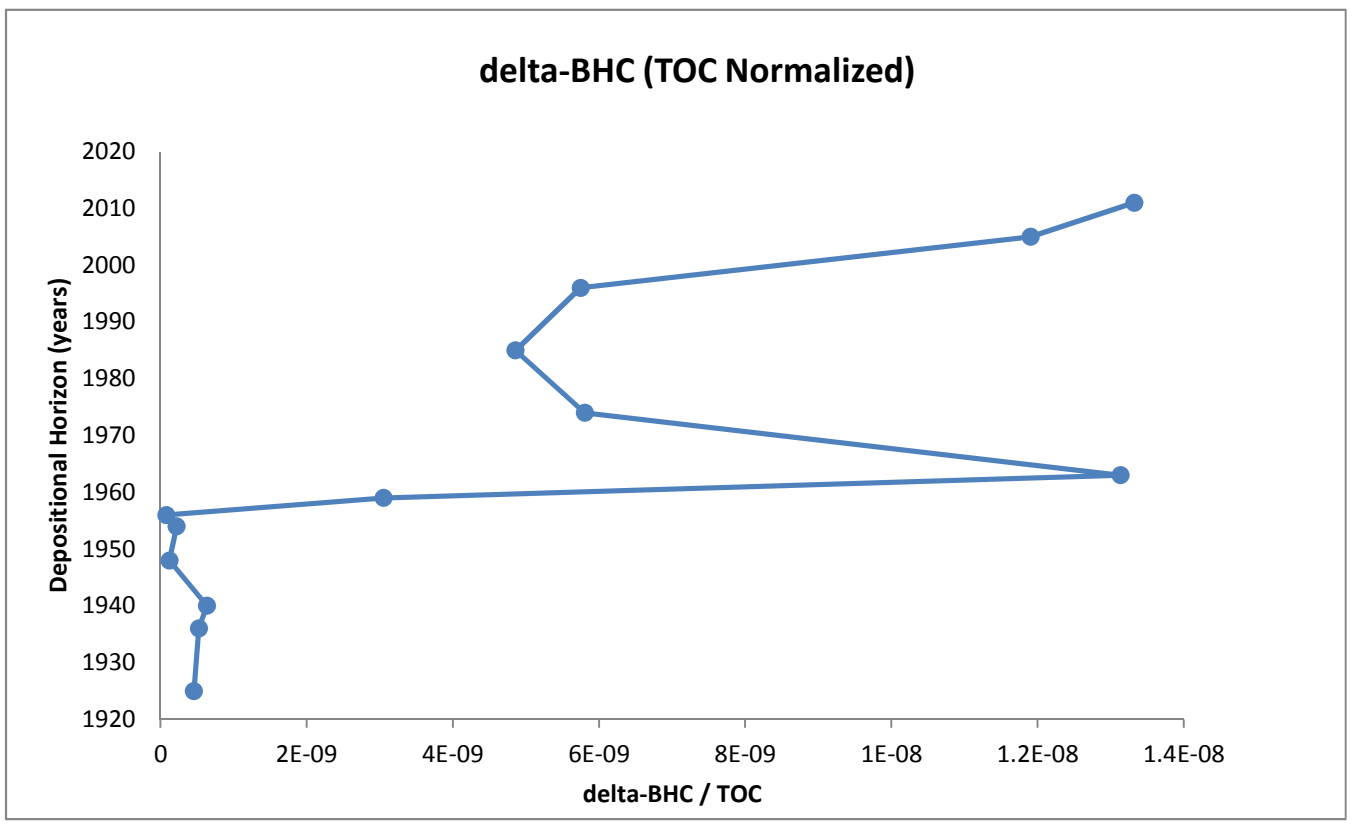
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for o,p'-DDD** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7r







LEGEND:

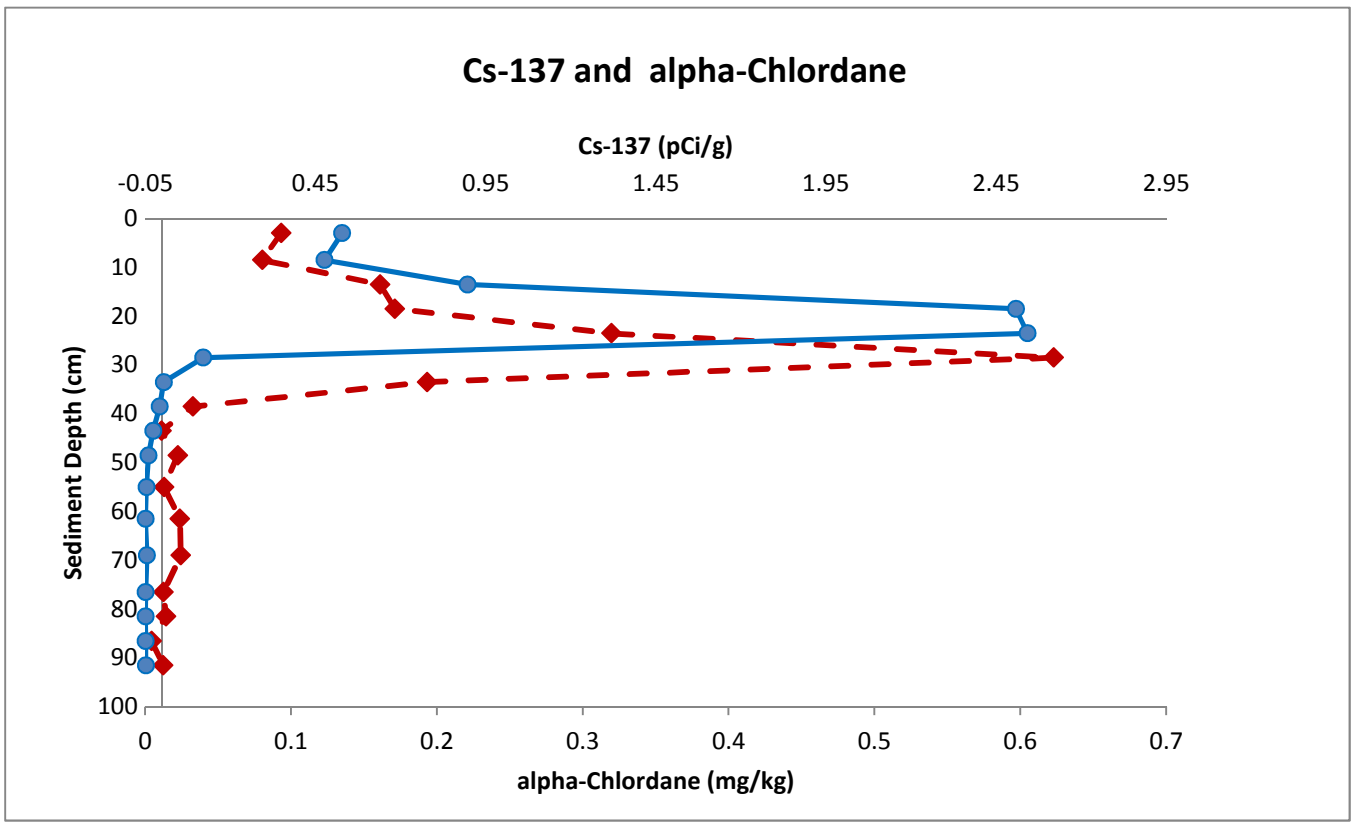
- Contaminant concentration
- Radiological concentration

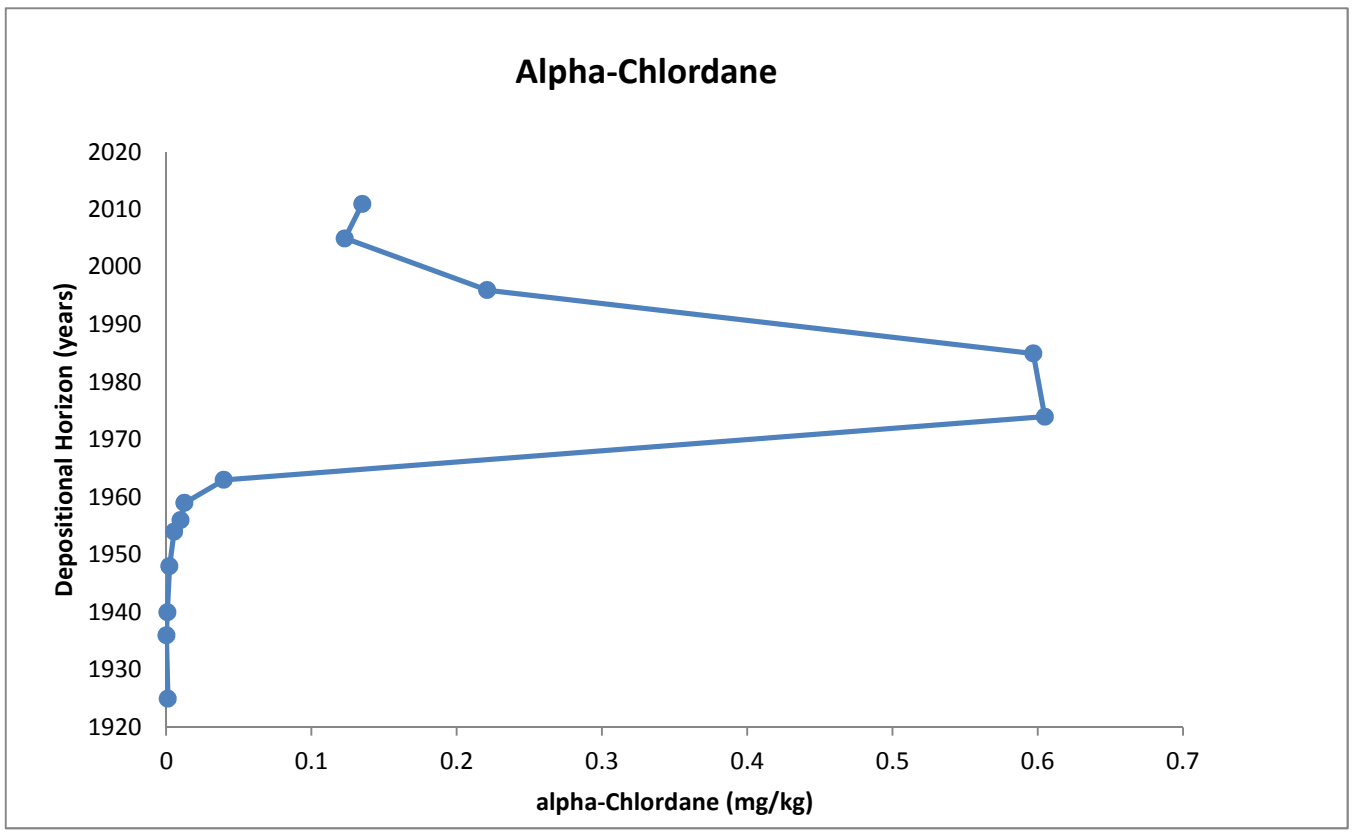
TOC denotes Total Organic Carbon

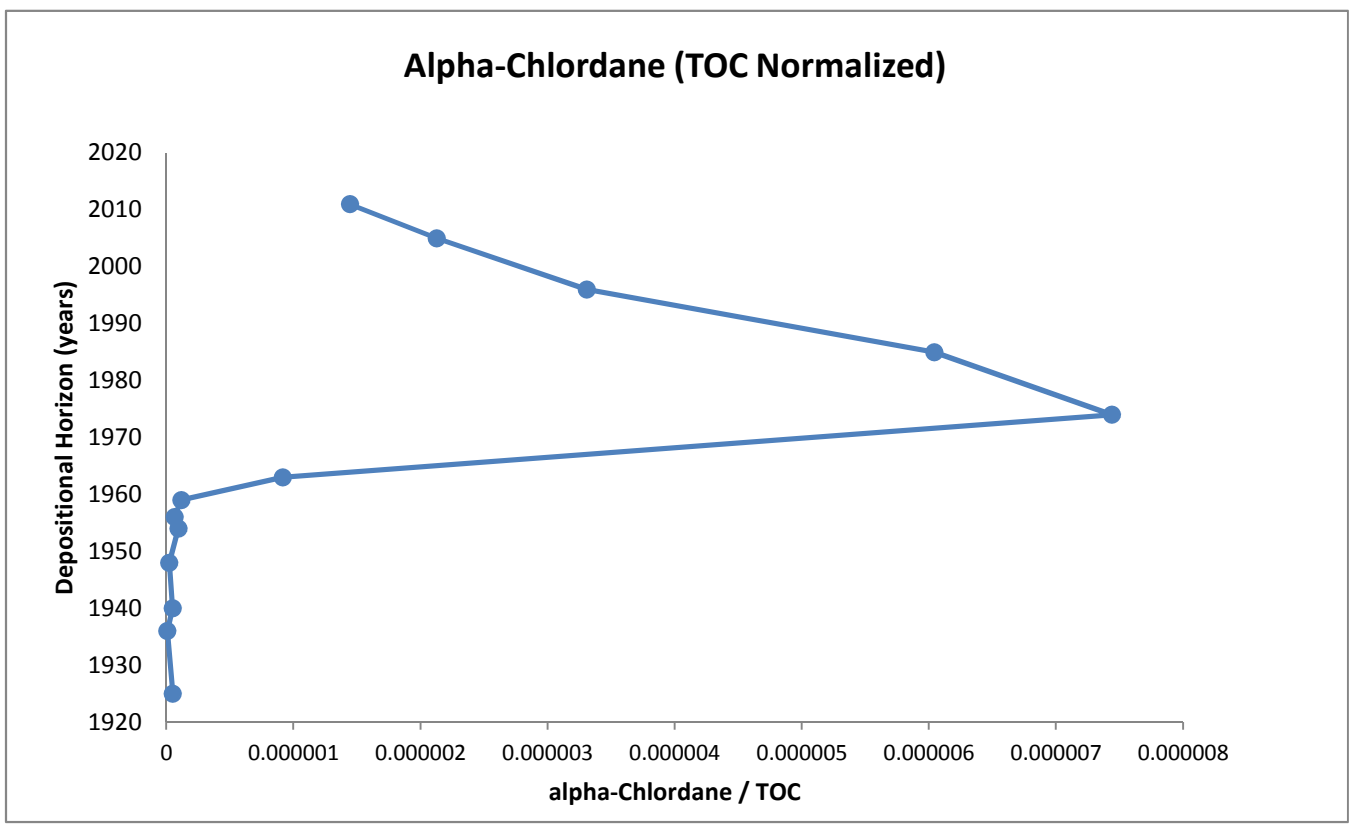
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for delta-BHC** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-7s







LEGEND:

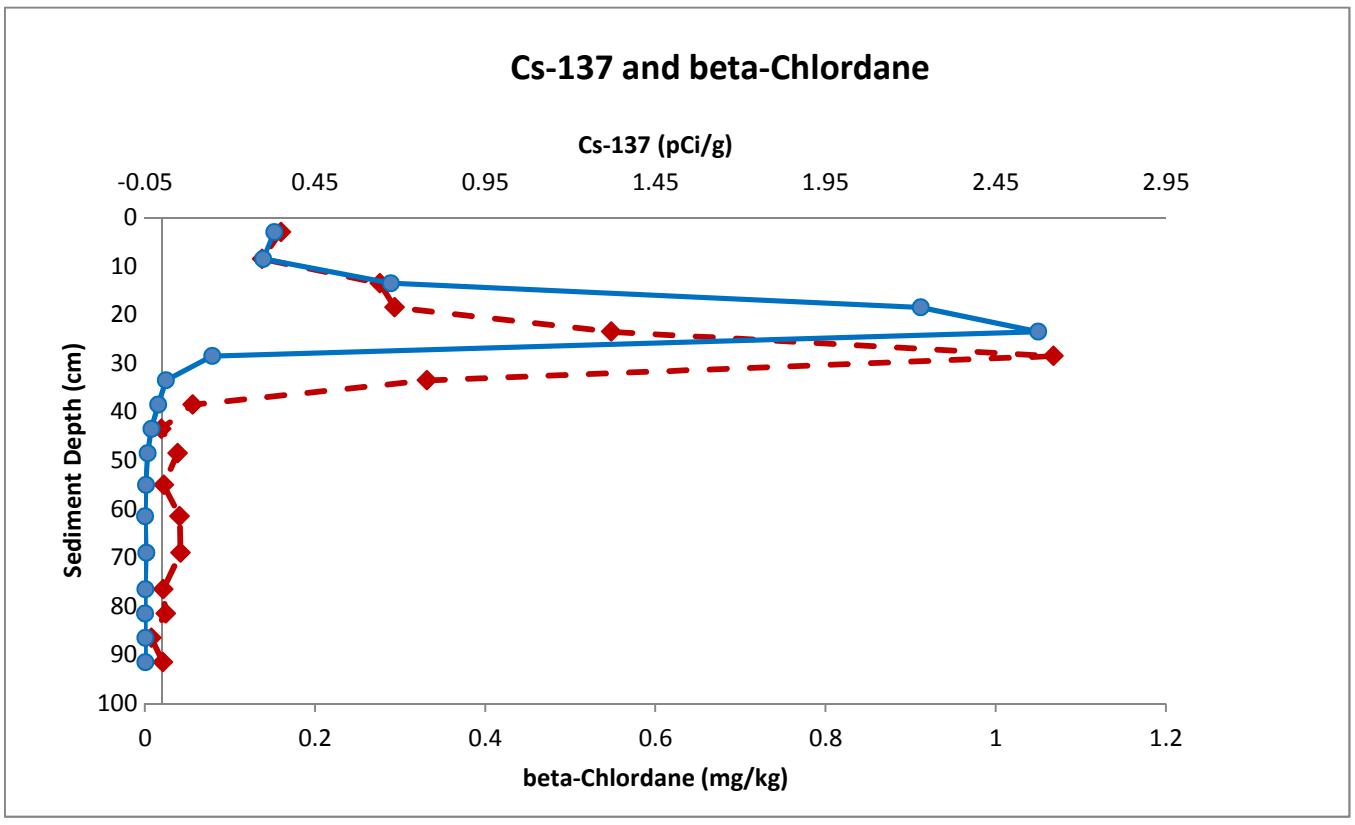
- Contaminant concentration
- Radiological concentration

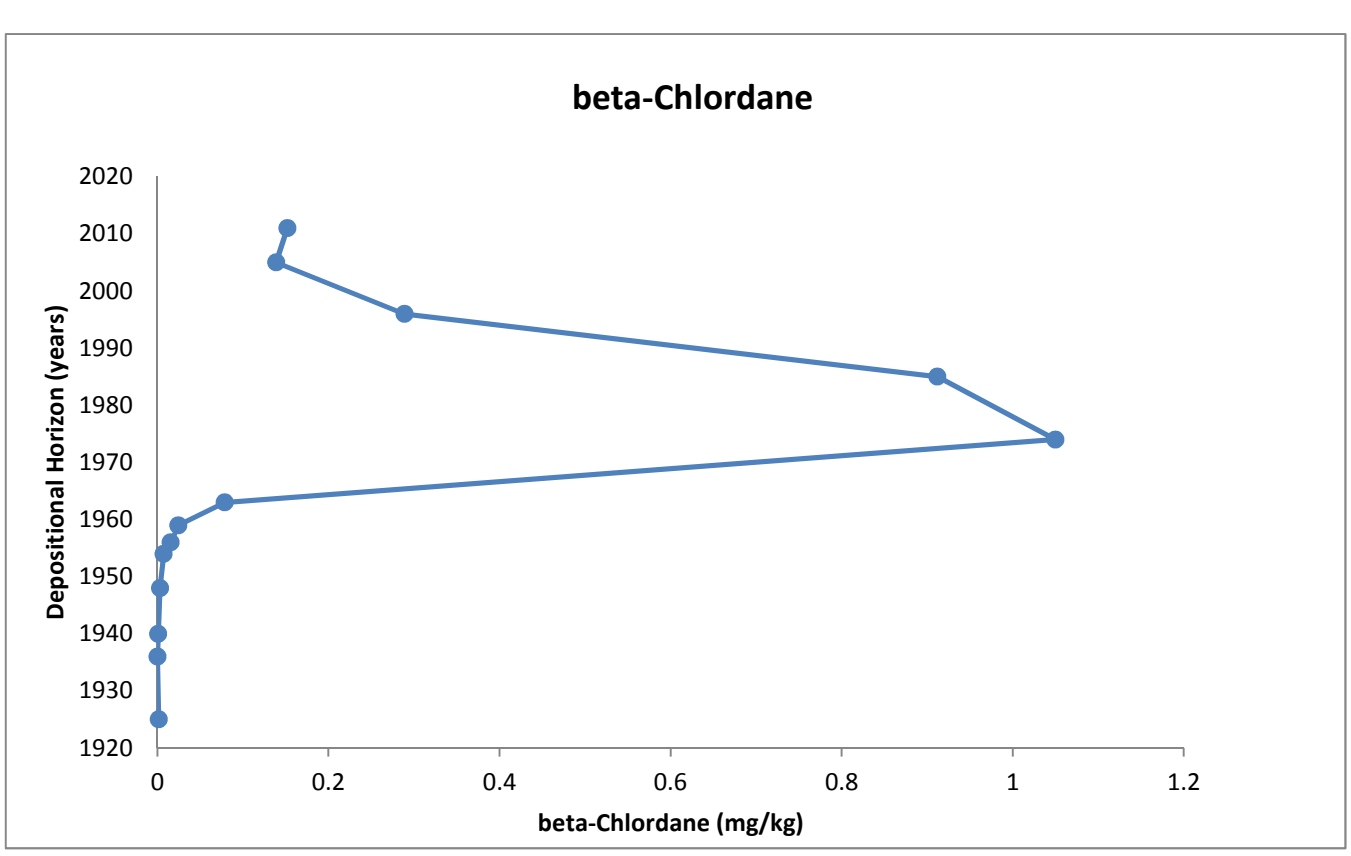
TOC denotes Total Organic Carbon

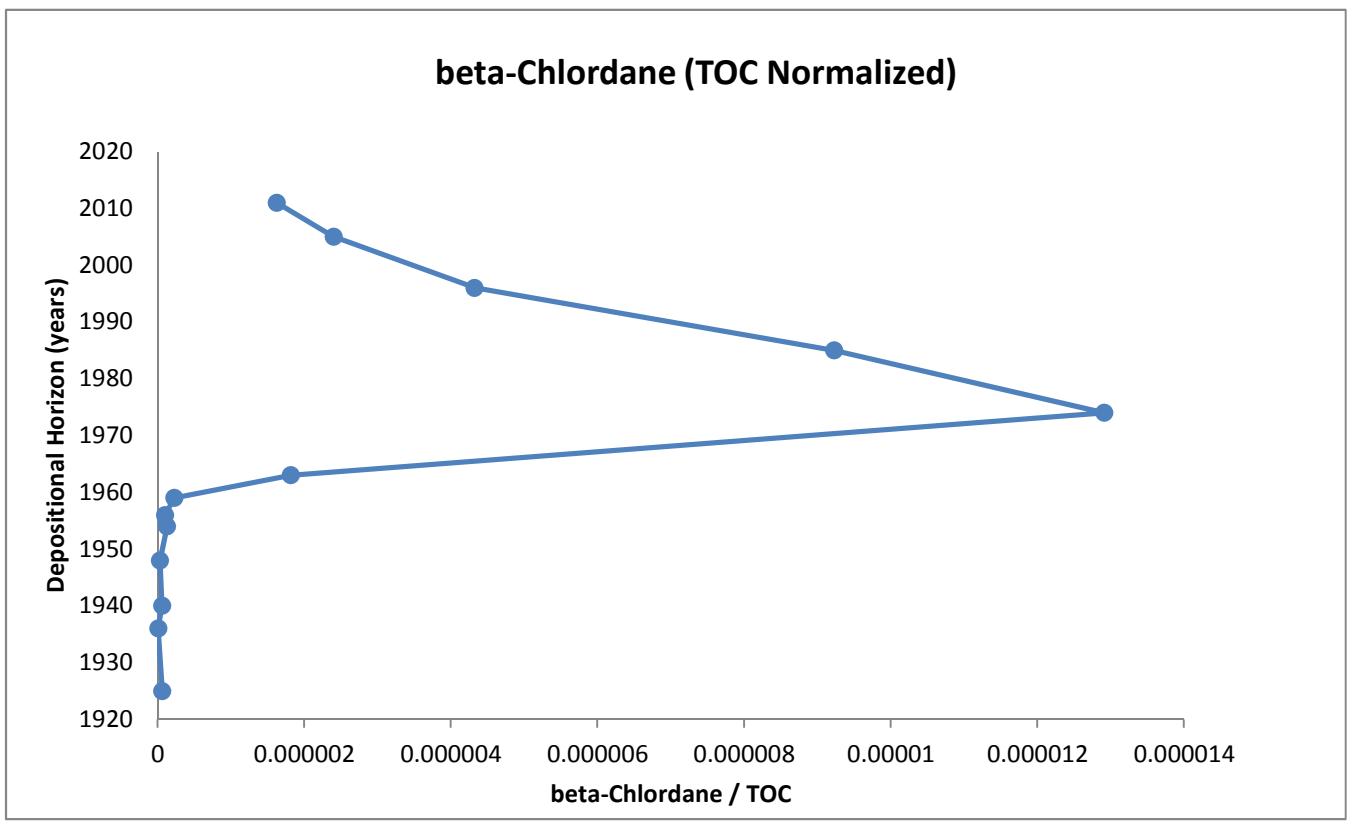
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for alpha-Chlordane** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7t







LEGEND:

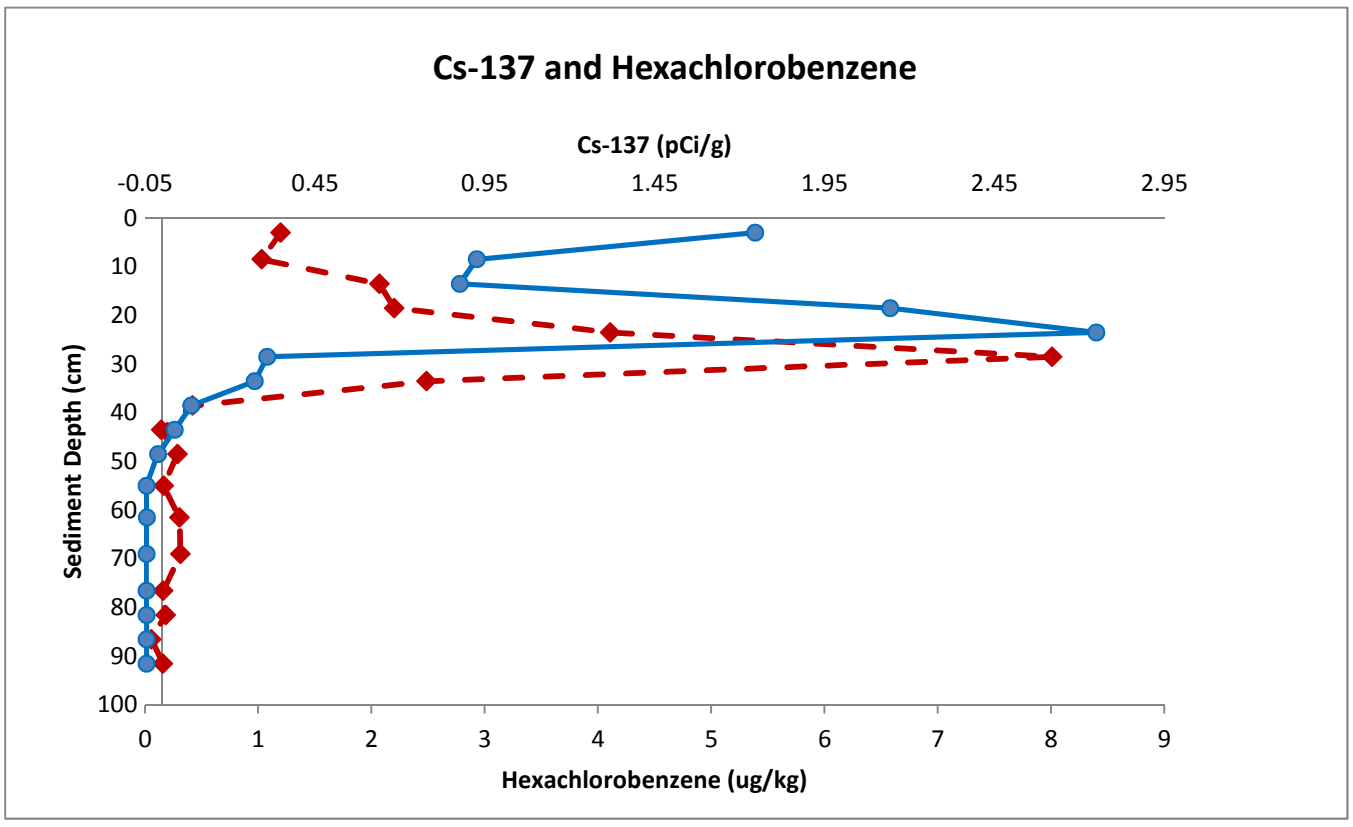
- Contaminant concentration
- Radiological concentration

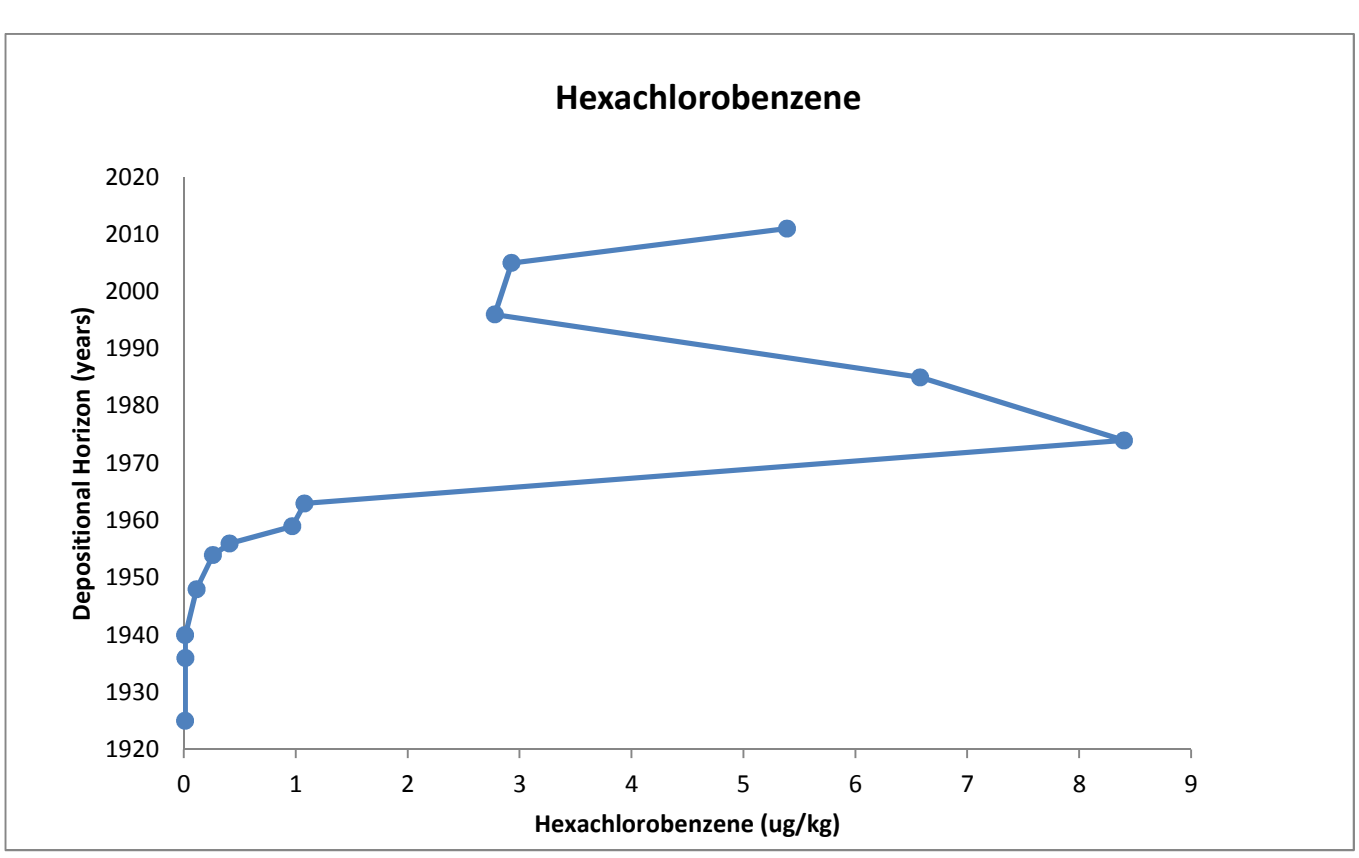
TOC denotes Total Organic Carbon

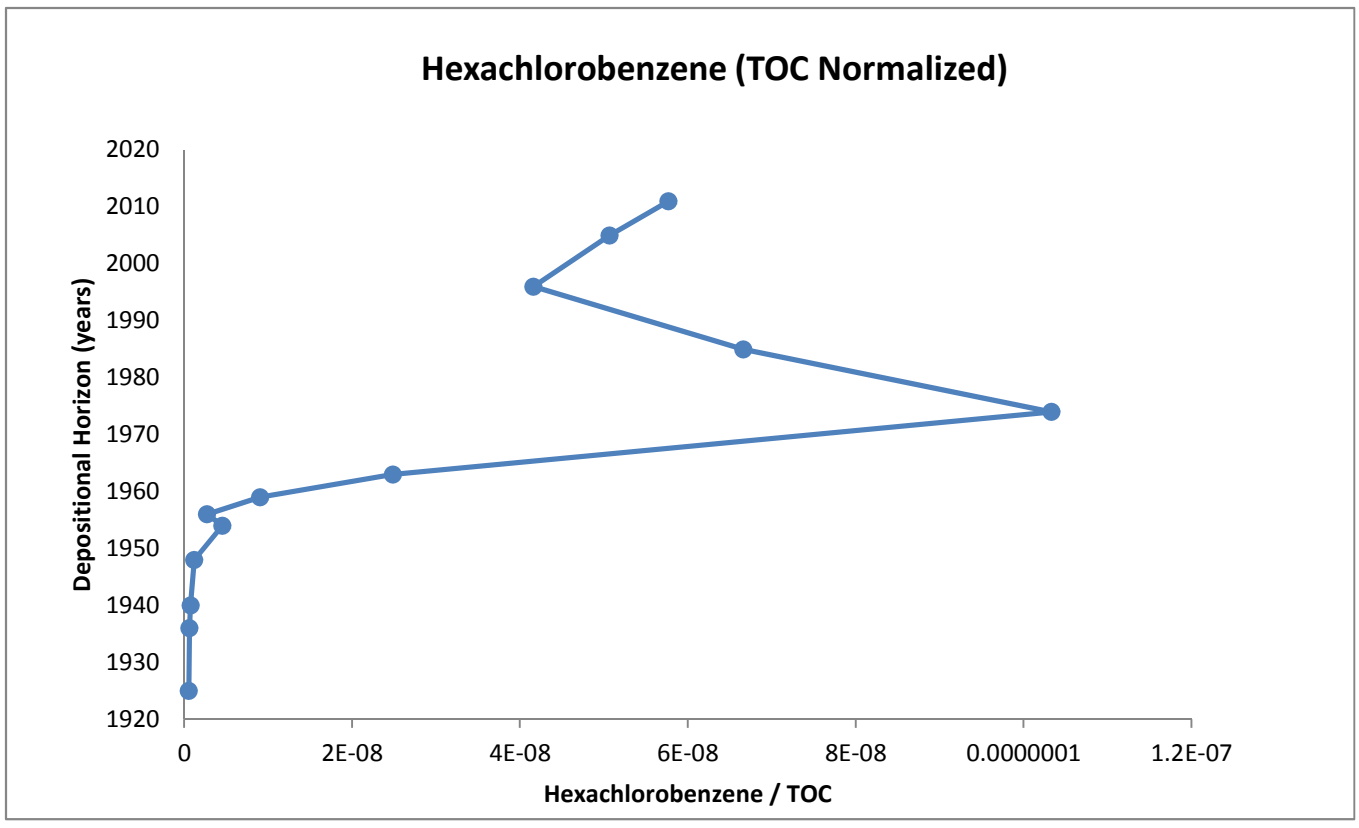
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for beta-Chlordane** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7u







LEGEND:

- Contaminant concentration
- Radiological concentration

TOC denotes Total Organic Carbon

NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for Hexachlorobenzene** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7v

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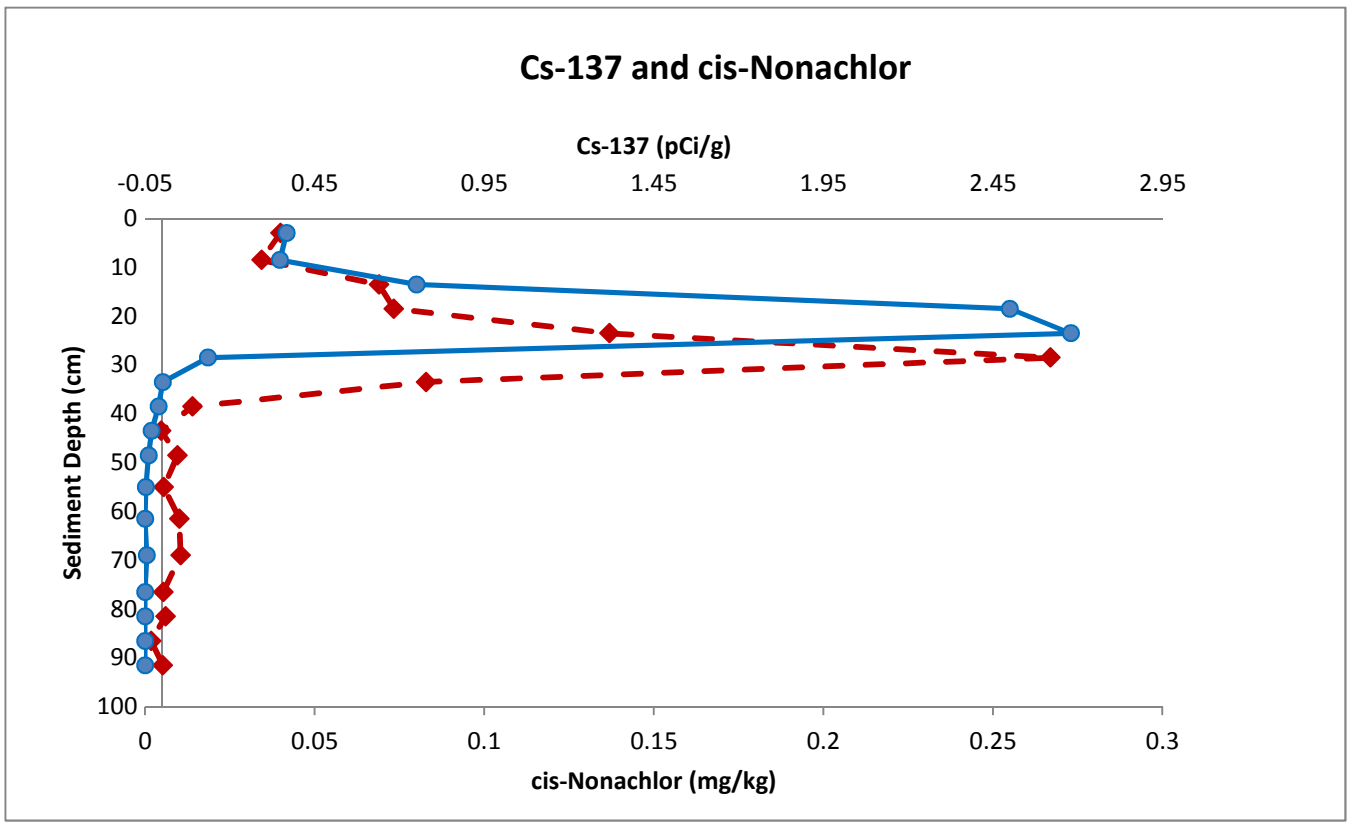
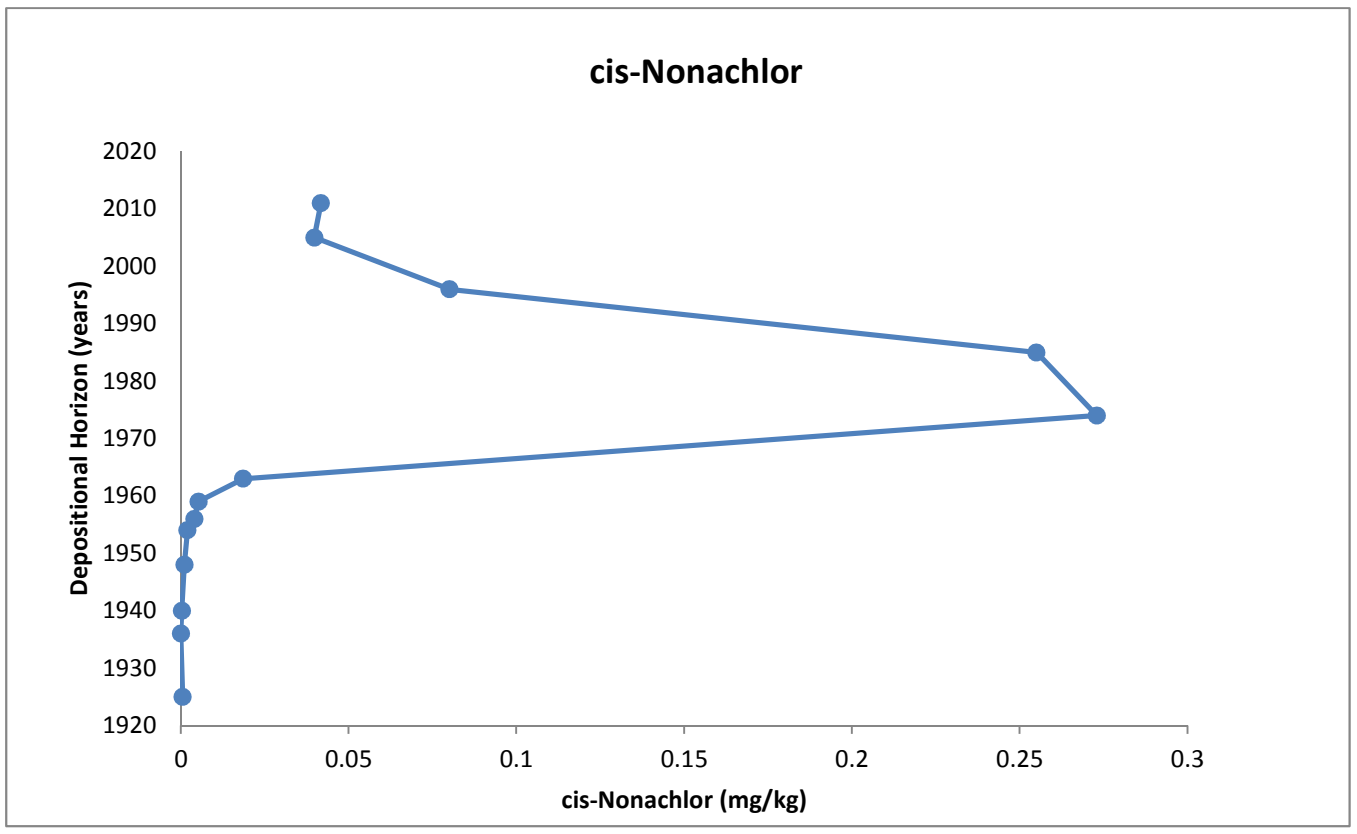
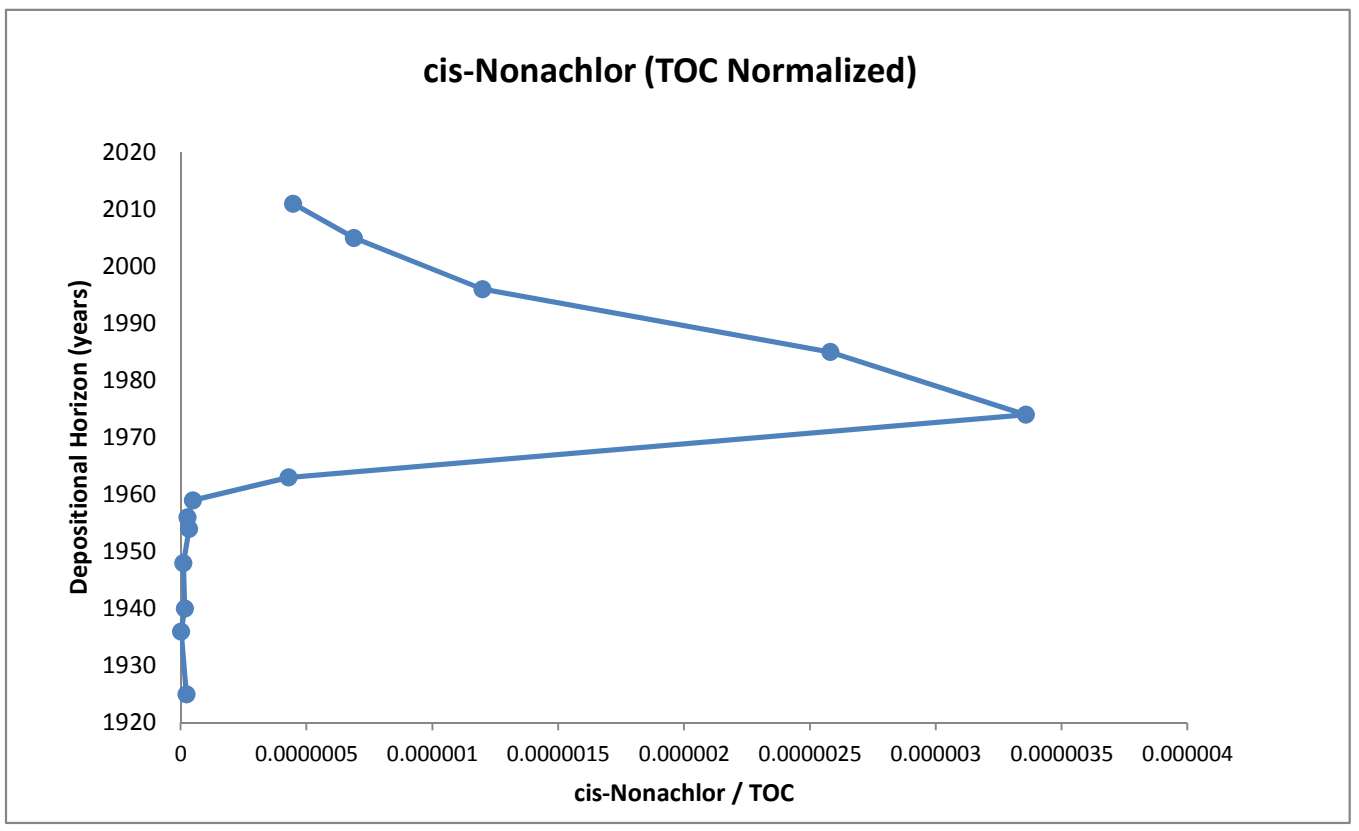






LEGEND:

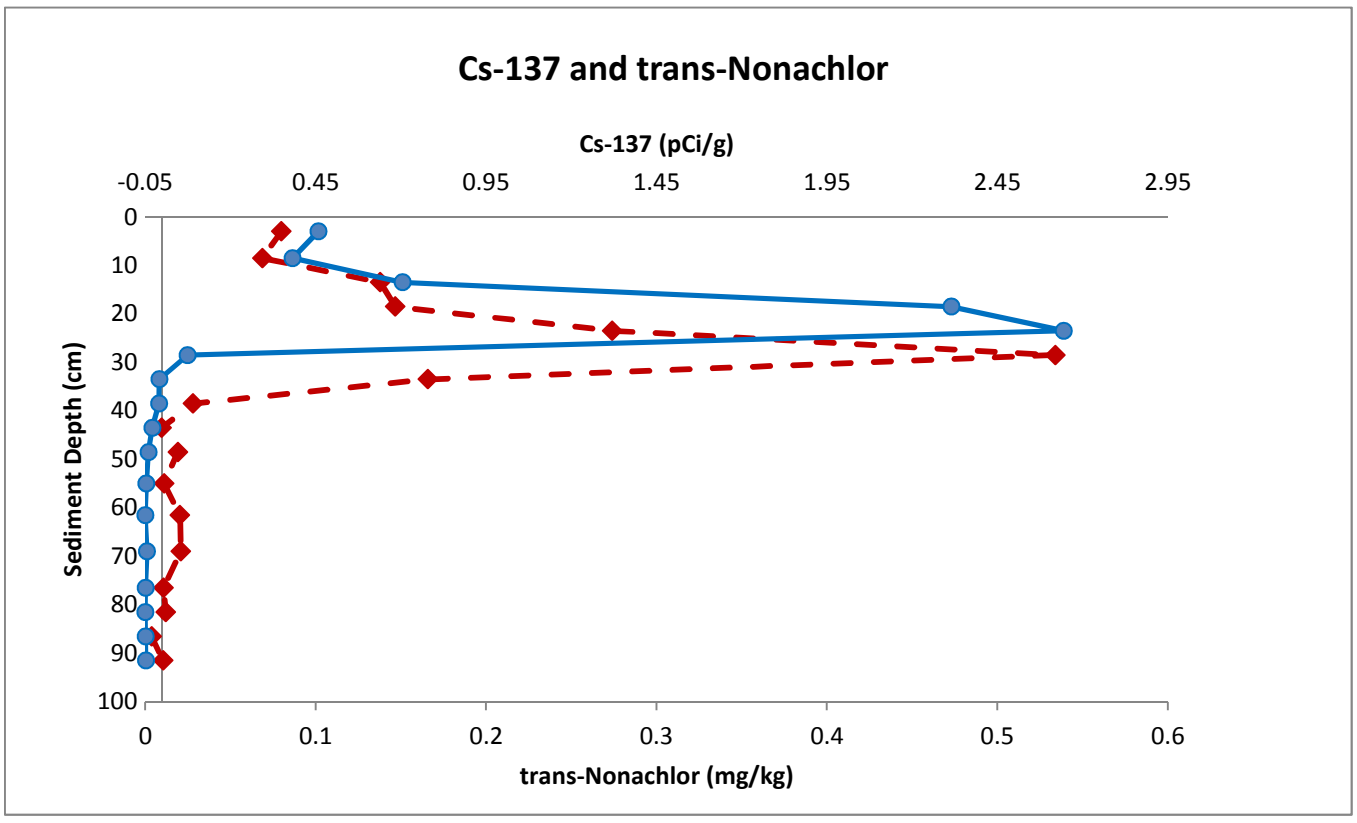
- Contaminant concentration
- Radiological concentration

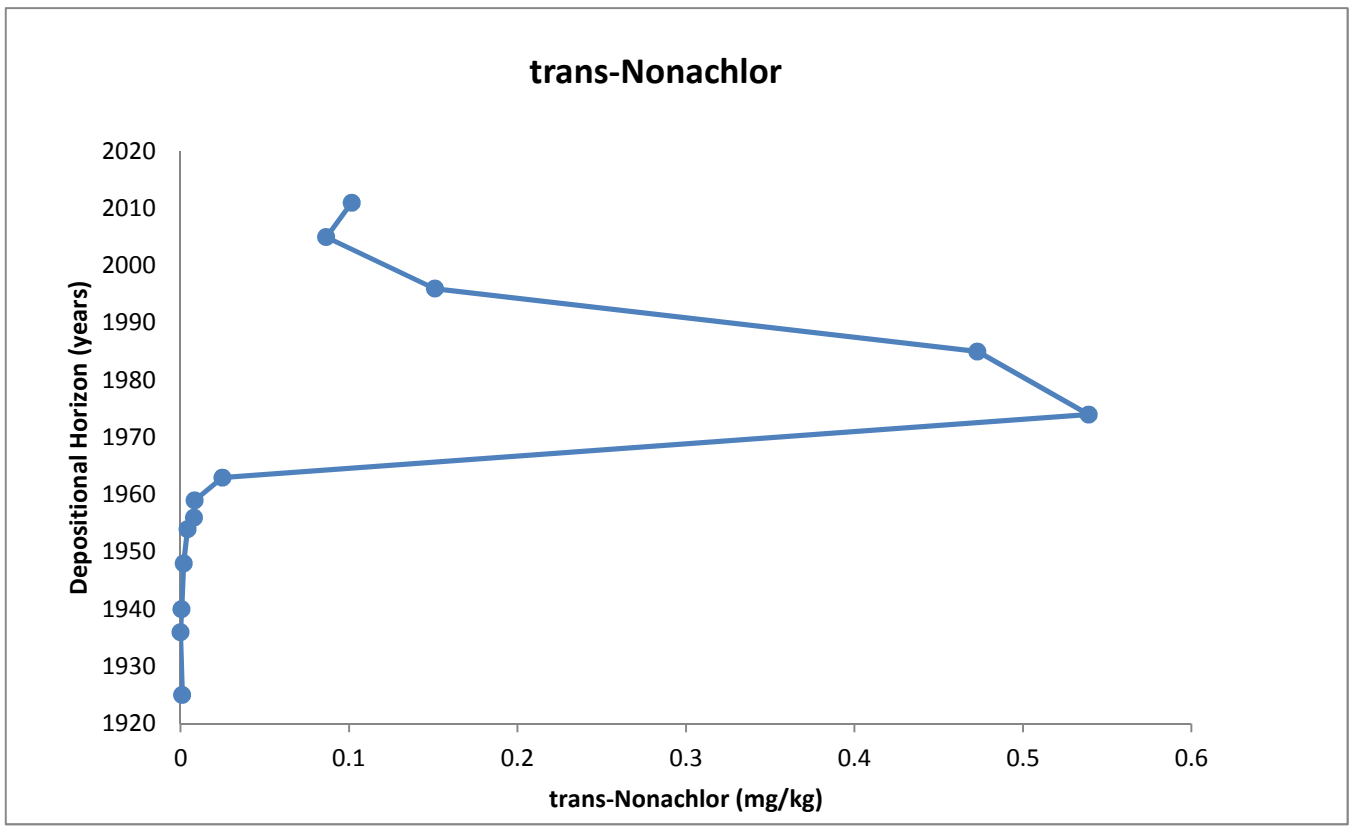
TOC denotes Total Organic Carbon

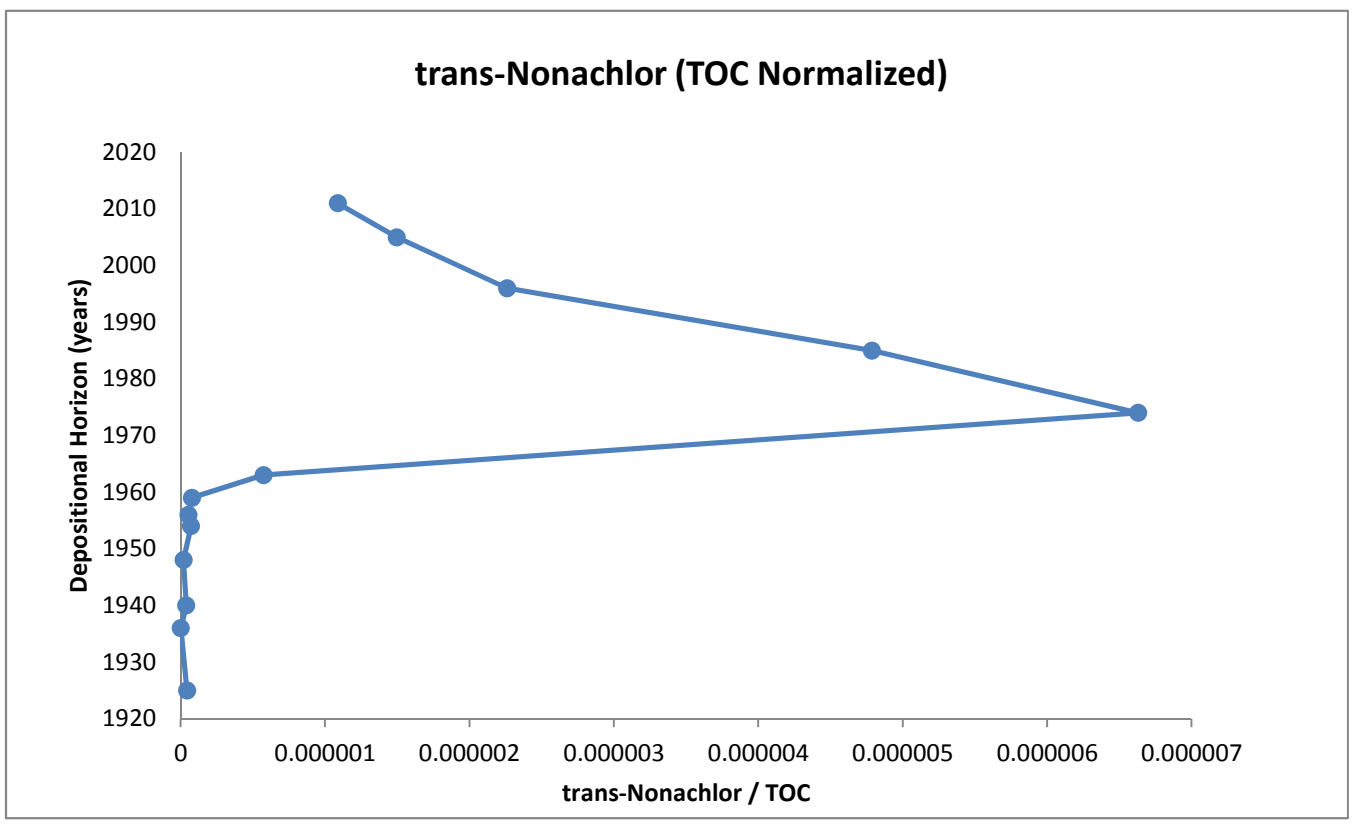
NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for cis-Nonachlor** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7w







LEGEND:

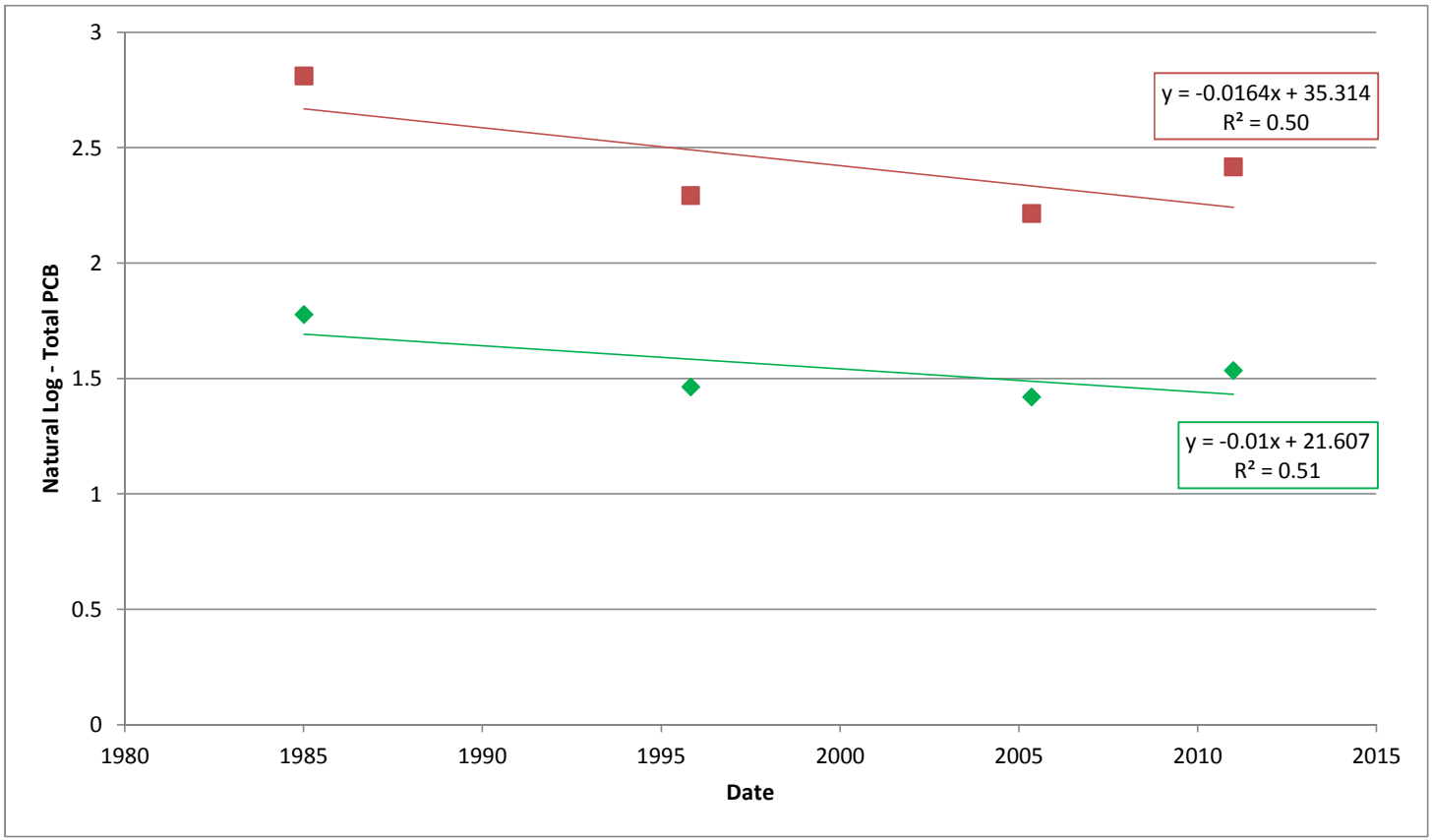
- Contaminant concentration
- Radiological concentration

TOC denotes Total Organic Carbon

NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations are presented as half the method detection limit.
3. High resolution core top represents the average of the first two slices (0-6 cm total) since both slices were Be7 bearing and had a moisture content of approximately 70 percent.
4. Due to the uncertainty in extrapolating sedimentation rate to the core bottom, depositional horizons are only presented from 2011 to 1925 (or for the top 74 cm of the core).

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Contaminant Depth Profile and Geochronology for trans-Nonachlor** *Bound Brook OU4 R/FS*	2013 FIGURE 6-7x



LEGEND:

- Natural Log Total PCB (absolute)
- Natural Log Total PCB (TOC-normalized)
- Linear Regression (Natural Log Total PCB [absolute])
- Linear Regression (Natural Log Total PCB [TOC-normalized])

NOTES:

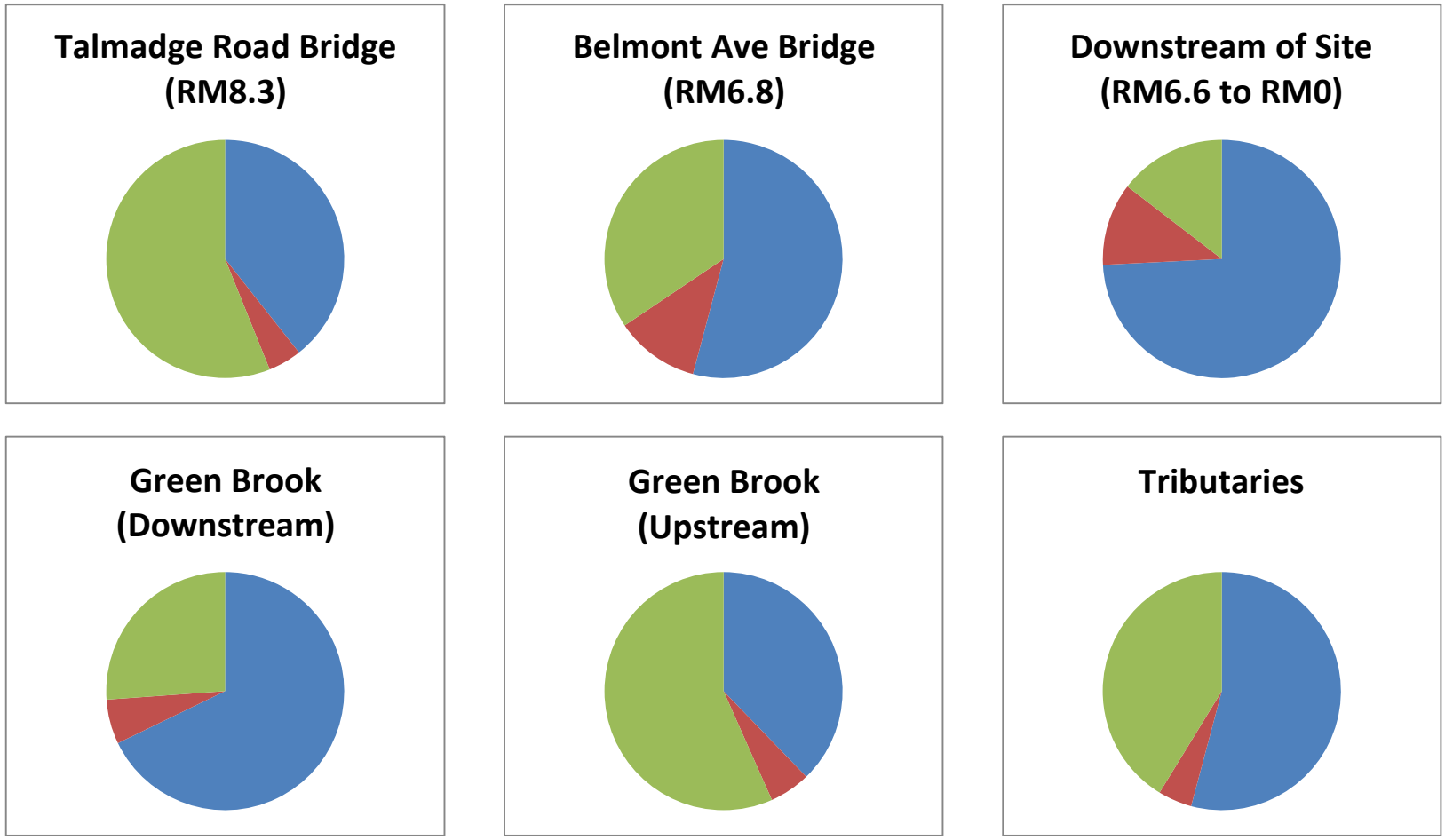
1. Half-life is calculated by plotting the natural logarithmic Total PCB concentrations (absolute and TOC-normalized) against depositional year and fitting a linear regression. The half-life is equal to 0.693 divided by the slope of the regression.
2. Half-life for Total PCB (absolute) is approximately 40 years.
3. Half-life for Total PCB (TOC-normalized) is approximately 70 years.

Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

Estimated Half-Life Calculation for Total PCB
Bound Brook OU2 RI/FS

2013

FIGURE 6-8



LEGEND:

- Aroclor 1254 Percentage
- Aroclor 1242 Percentage
- Aroclor 1260 Percentage

NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Aroclor concentration reported as sum of congeners by either Method 1668 or Method 608.

Cornell-Dubilier Electronics Superfund Site
South Plainfield, NJ

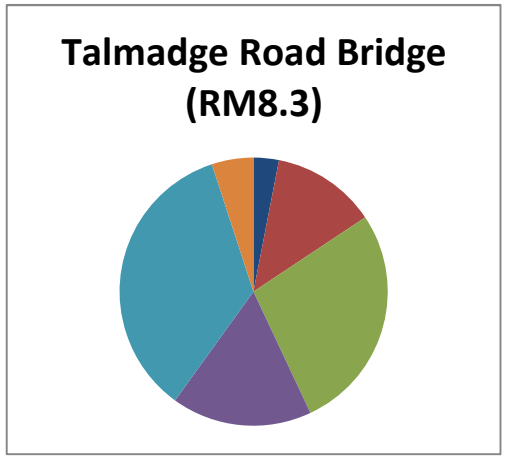
Comparison of PCB Aroclor Distribution in Surface Sediments

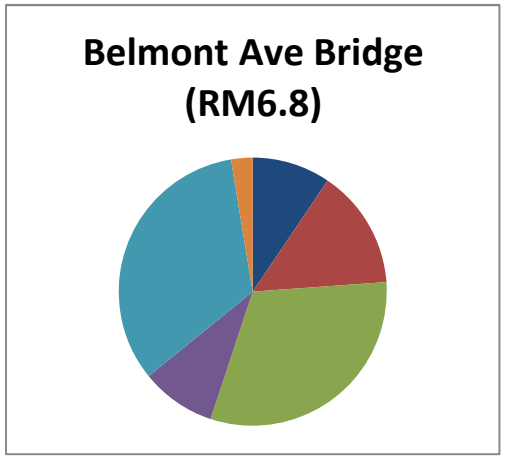
Bound Brook OU4 RI/FS

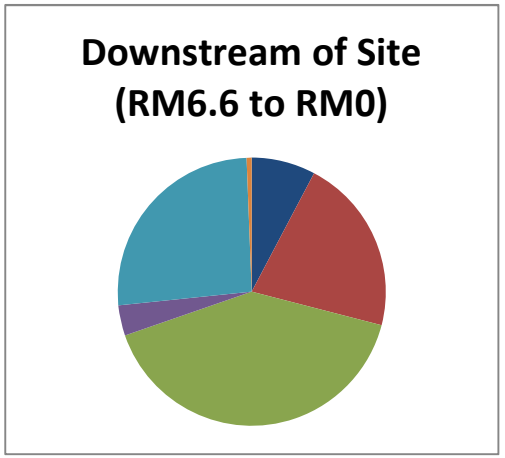
2013

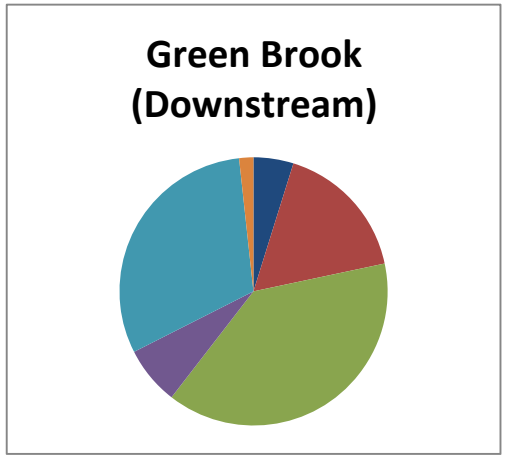
FIGURE 6-9

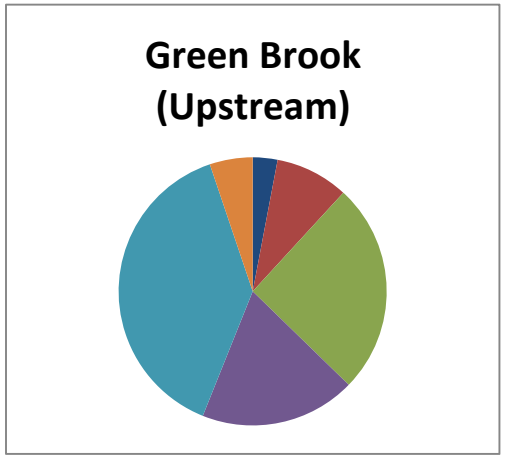
DRAFT FINAL

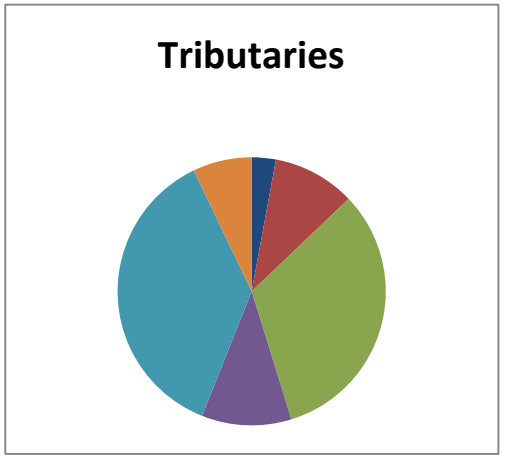












LEGEND: DiCB + TriCB; TetraCB; PentaCB; HeptaCB; HexaCB; OctaCB + NonaCB

CB denotes chlorobiphenyl homologue groups

NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Total PCB concentration is calculated as the sum of the Dichlorobiphenyl through Nonachlorobiphenyl homologues.
3. Nondetected concentrations are not included in the Total PCB summation.
4. Homologue concentrations are reported as sum of congeners by either Method 1668 or Method 608.

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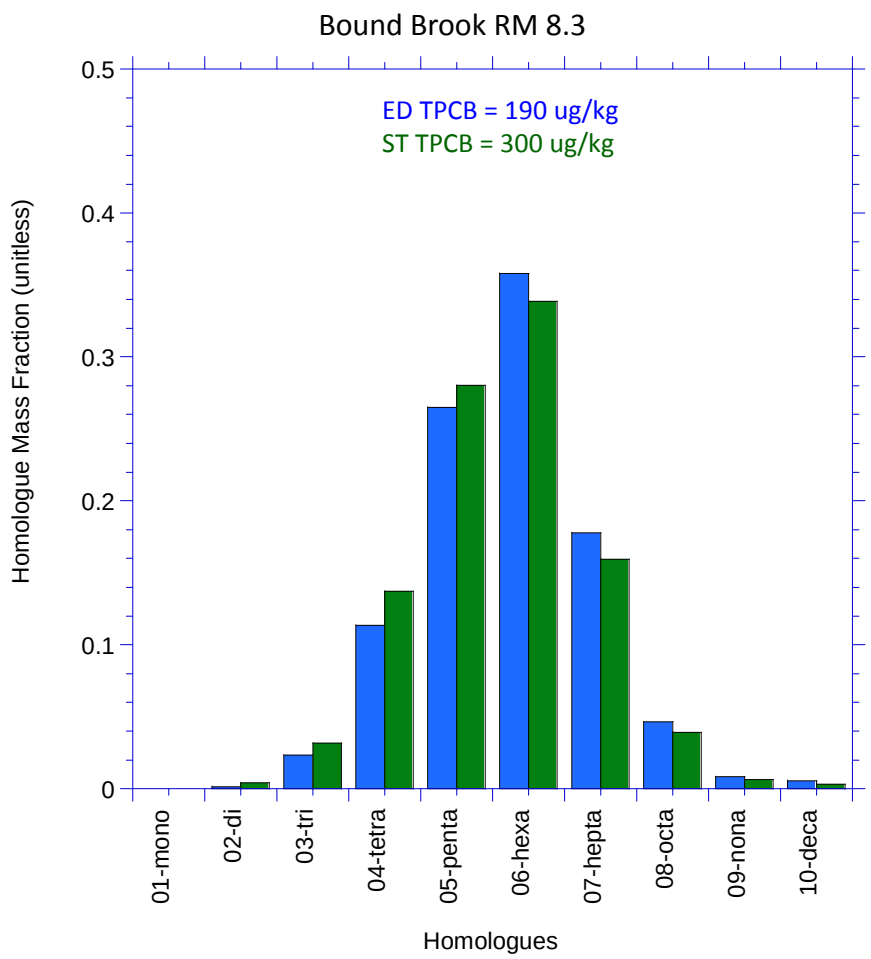
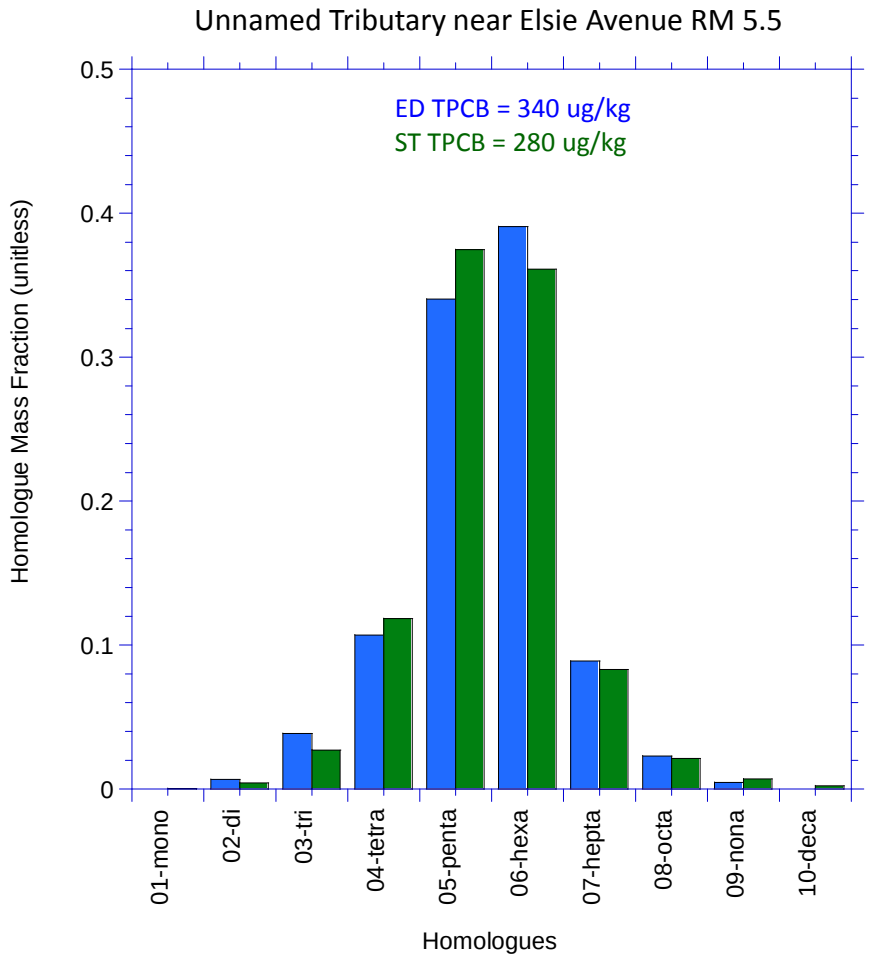
South Plainfield, NJ

Comparison of PCB Homologue Distribution in Surface Sediments
Bound Brook OU4 RI/FS

2013

FIGURE 6-10





LEGEND:

- Ekman Dredge (ED)
- Sediment Trap (ST)

ED TPCB = Ekman Dredge Total PCB concentration

ST TPCB = Sediment Trap Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

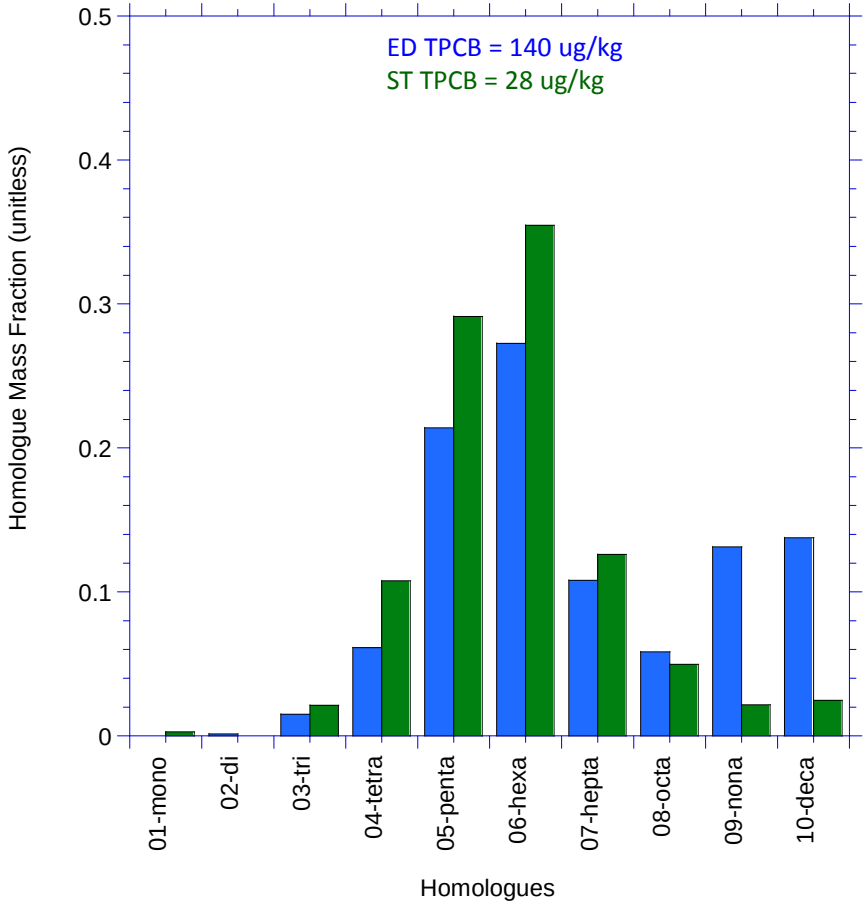
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

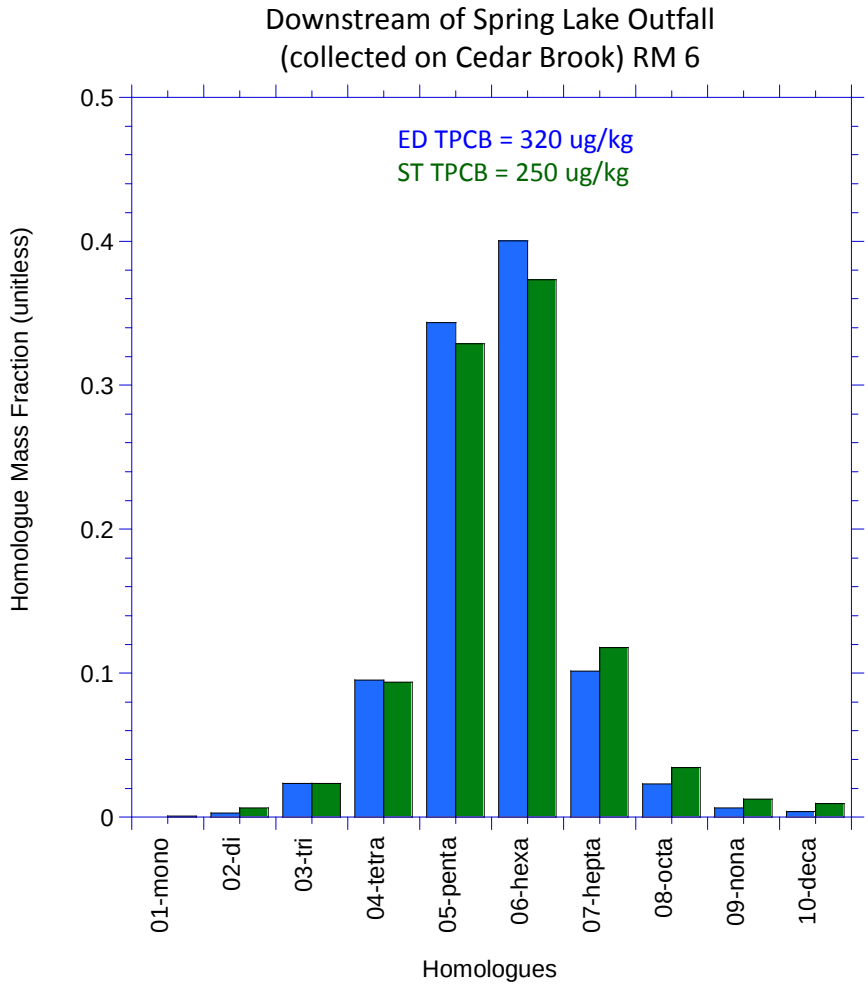
Surface Sediment Homologue Patterns in Recently Deposited Sediments

Bound Brook OU4 RI/FS

2013

FIGURE 6-11a





LEGEND:

- Ekman Dredge (ED)
- Sediment Trap (ST)

ED TPCB = Ekman Dredge Total PCB concentration

ST TPCB = Sediment Trap Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

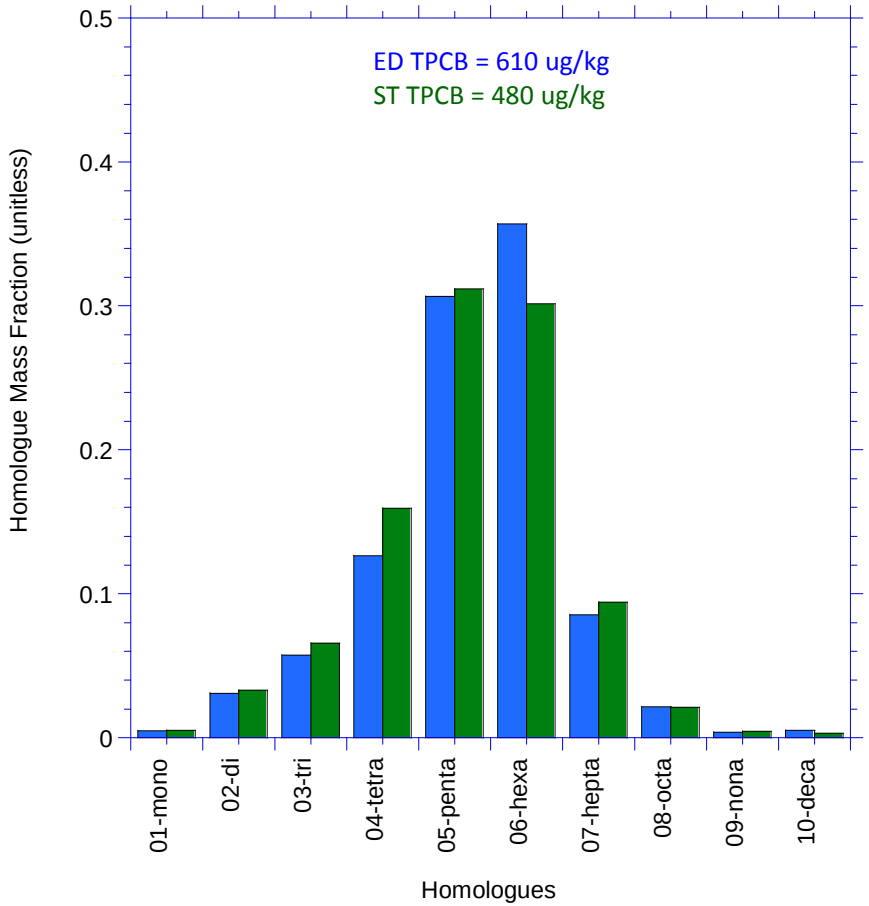
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

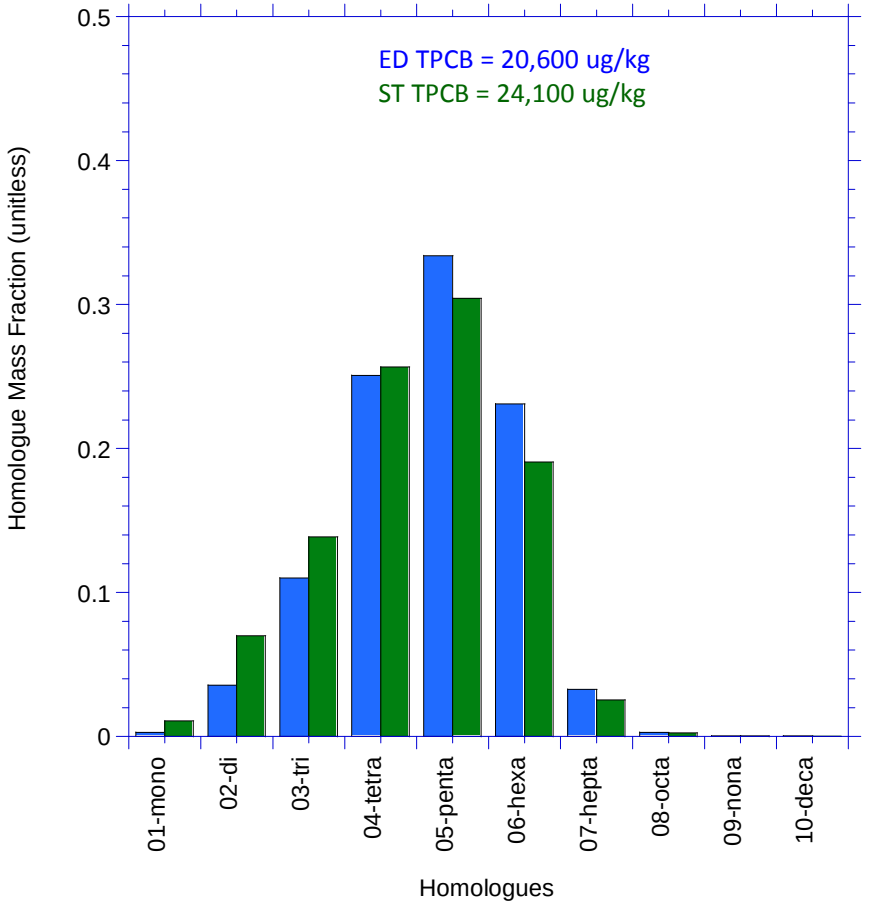
Surface Sediment Homologue Patterns in Recently Deposited Sediments

Bound Brook OU4 RI/FS

2013

FIGURE 6-11b





LEGEND:

- Ekman Dredge (ED)
- Sediment Trap (ST)

ED TPCB = Ekman Dredge Total PCB concentration

ST TPCB = Sediment Trap Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

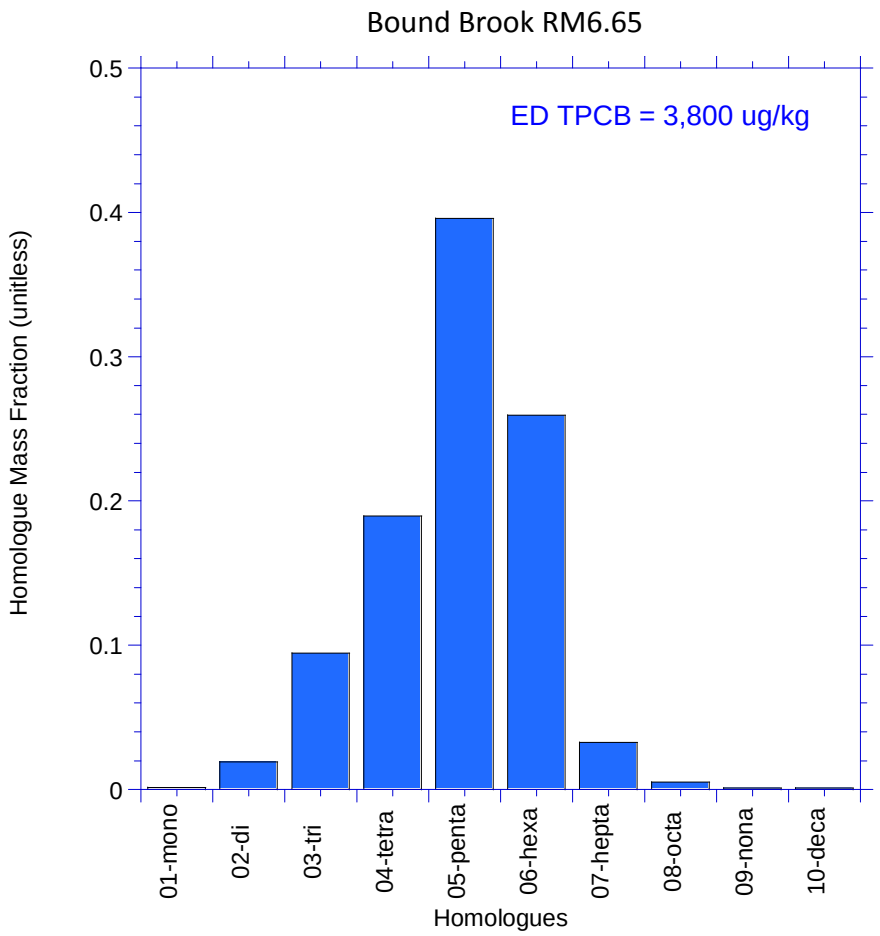
Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

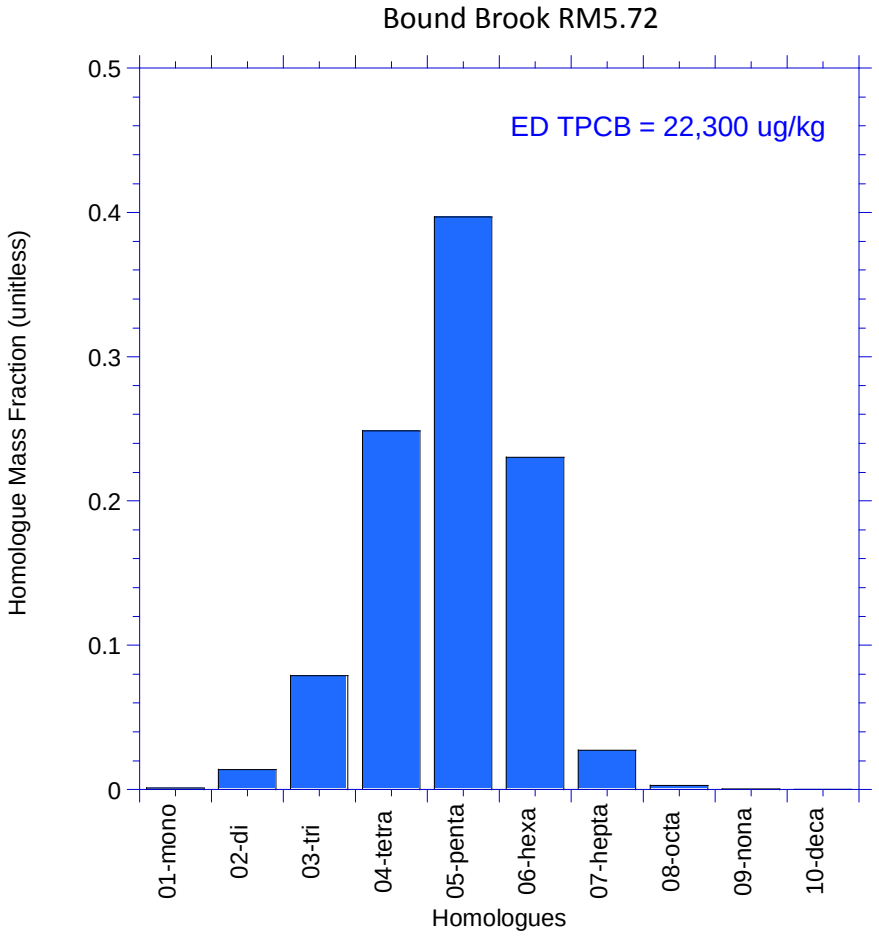
Surface Sediment Homologue Patterns in Recently Deposited Sediments

Bound Brook OU4 RI/FS

2013

FIGURE 6-11c





LEGEND:

- Ekman Dredge (ED)
- Sediment Trap (ST)

ED TPCB = Ekman Dredge Total PCB concentration

ST TPCB = Sediment Trap Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

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Surface Sediment Homologue Patterns in Recently Deposited Sediments

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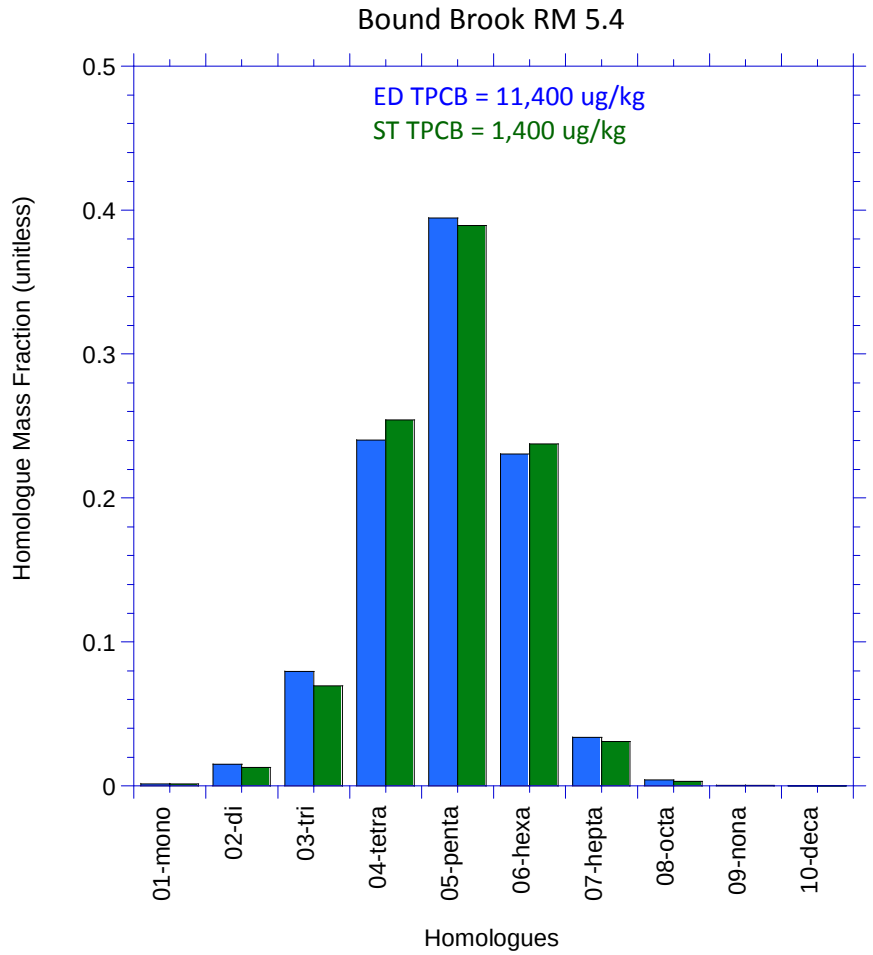
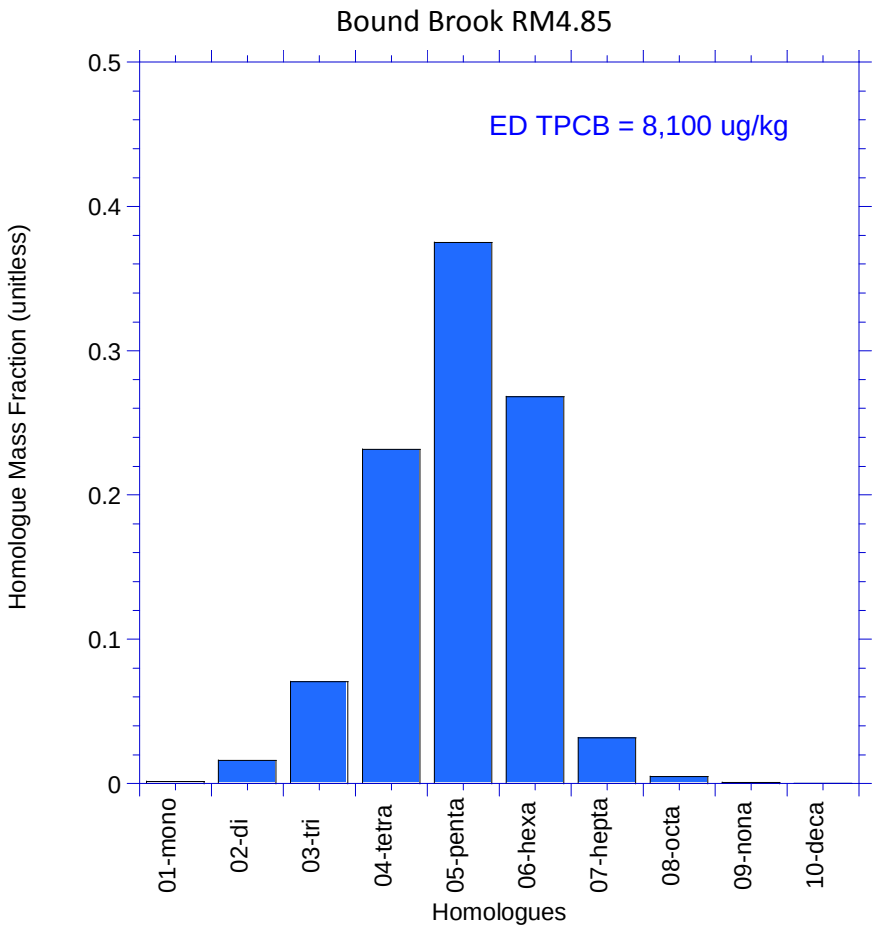
FIGURE 6-11d





LEGEND:

- Ekman Dredge (ED)
- Sediment Trap (ST)

ED TPCB = Ekman Dredge Total PCB concentration

ST TPCB = Sediment Trap Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

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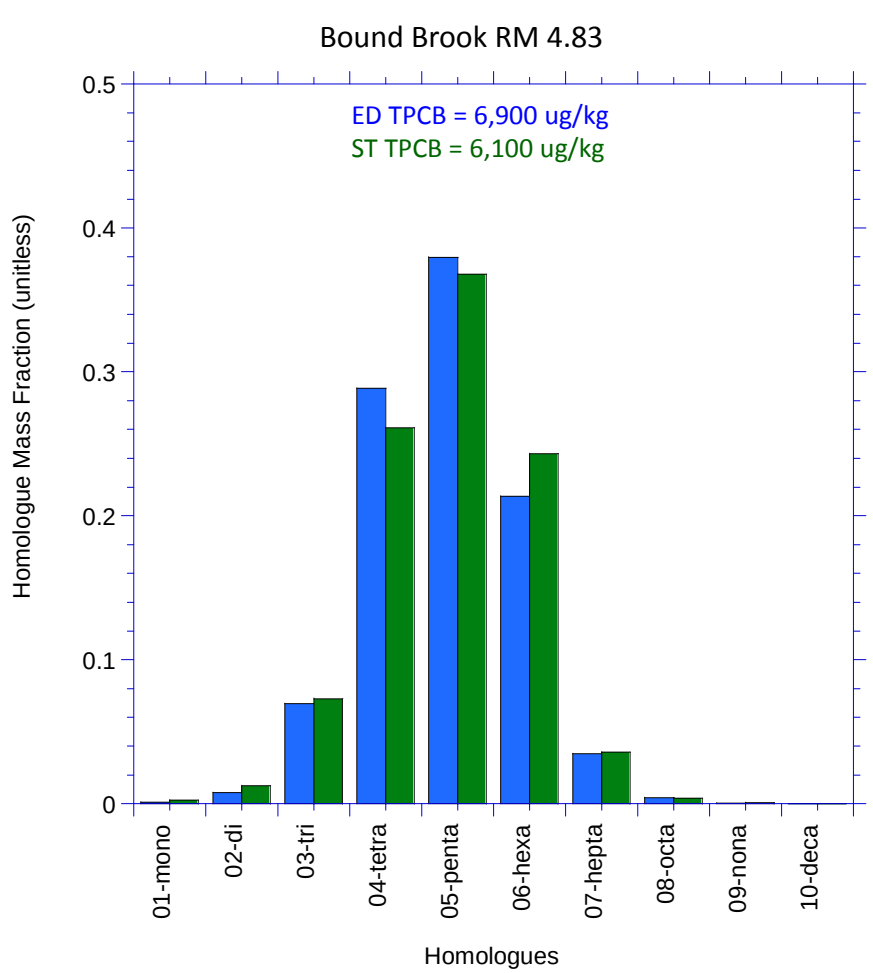
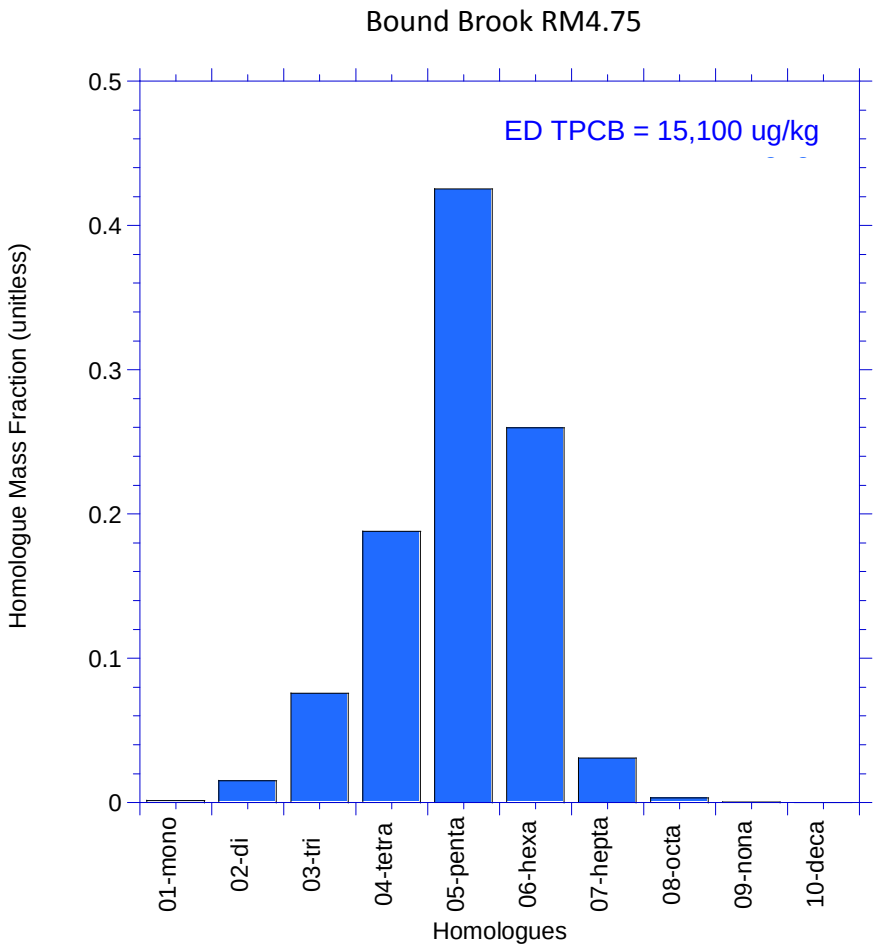
FIGURE 6-11e





LEGEND:

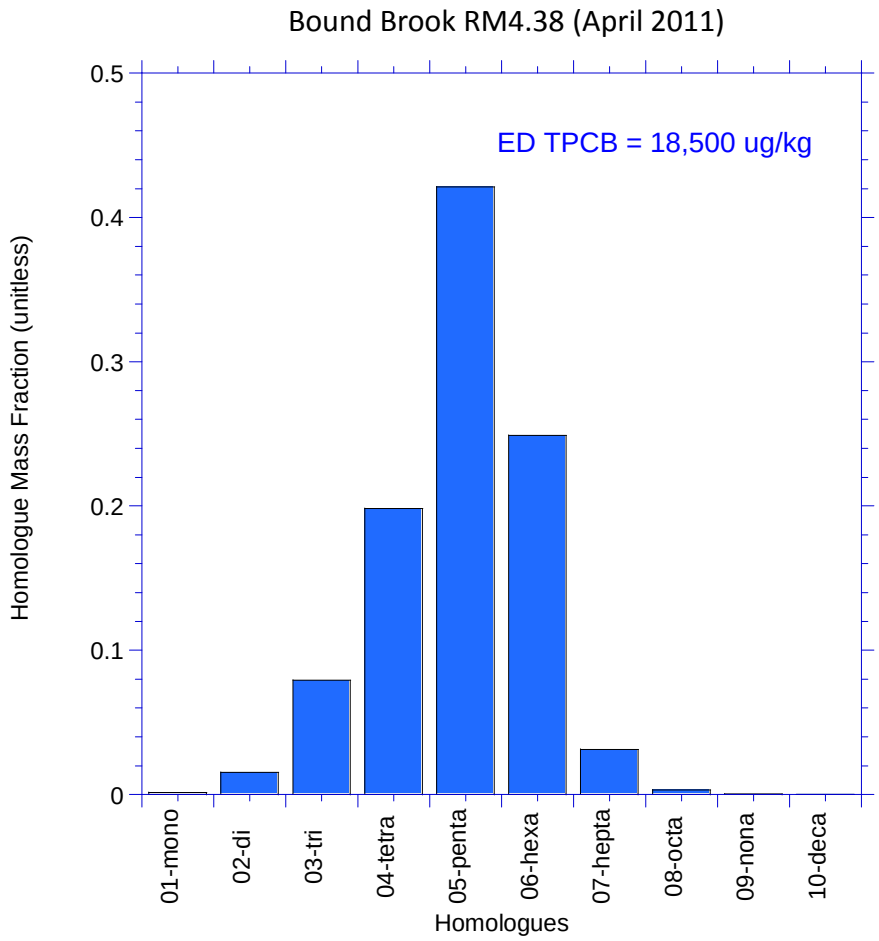
Ekman Dredge (ED)

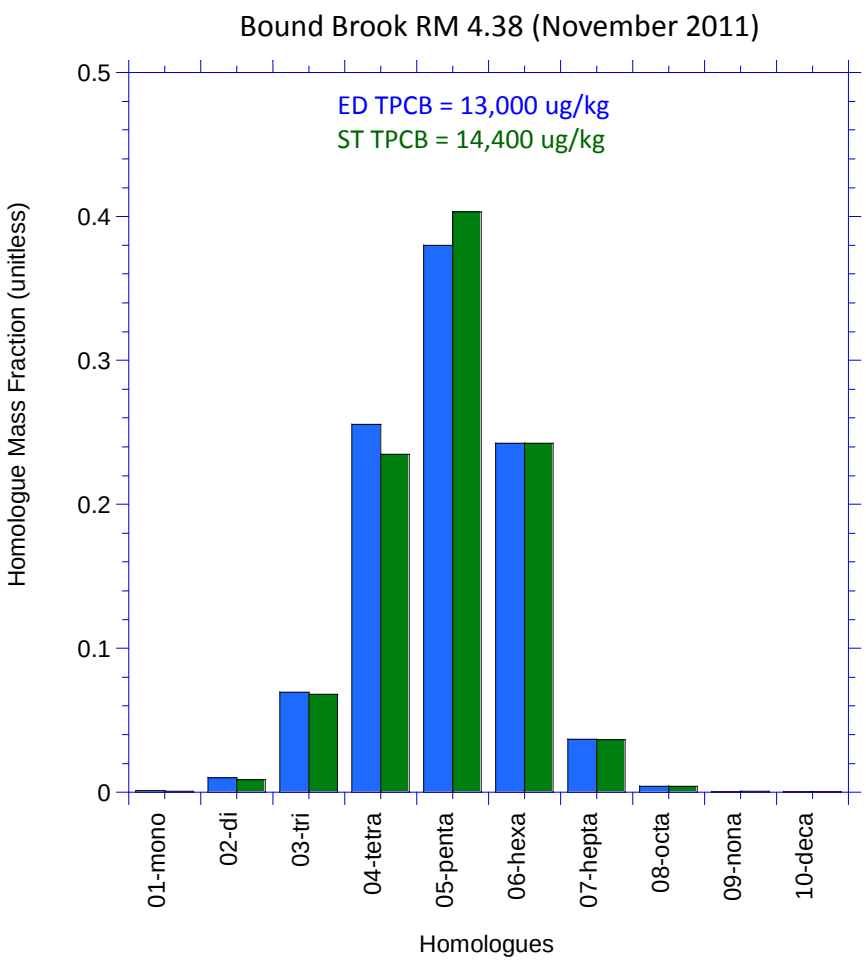
TPCB = Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Surface Sediment Homologue Patterns in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-11f





LEGEND:

- Ekman Dredge (ED)
- Sediment Trap (ST)

ED TPCB = Ekman Dredge Total PCB concentration

ST TPCB = Sediment Trap Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

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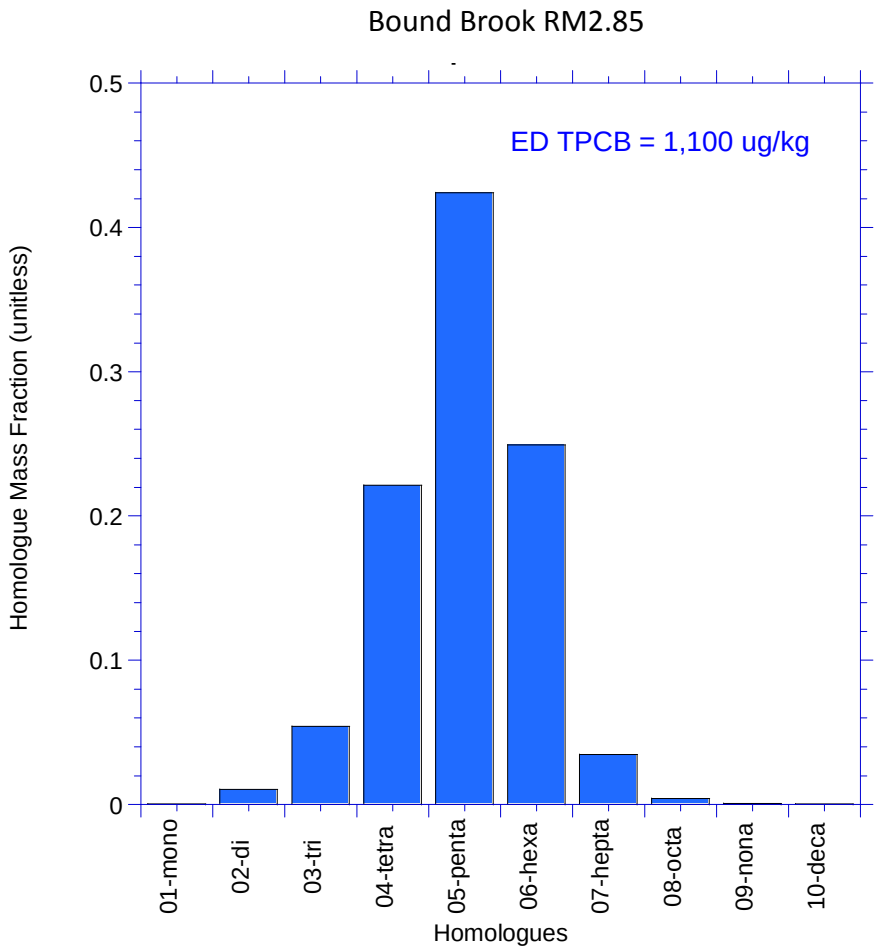
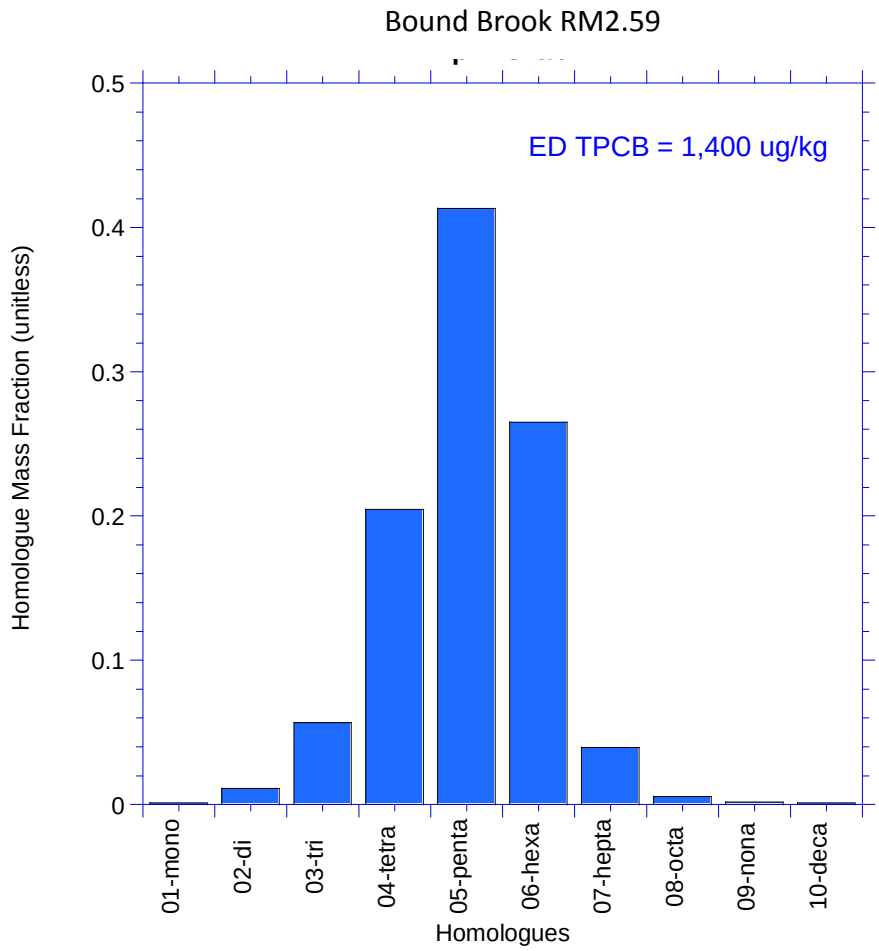
FIGURE 6-11g





LEGEND:

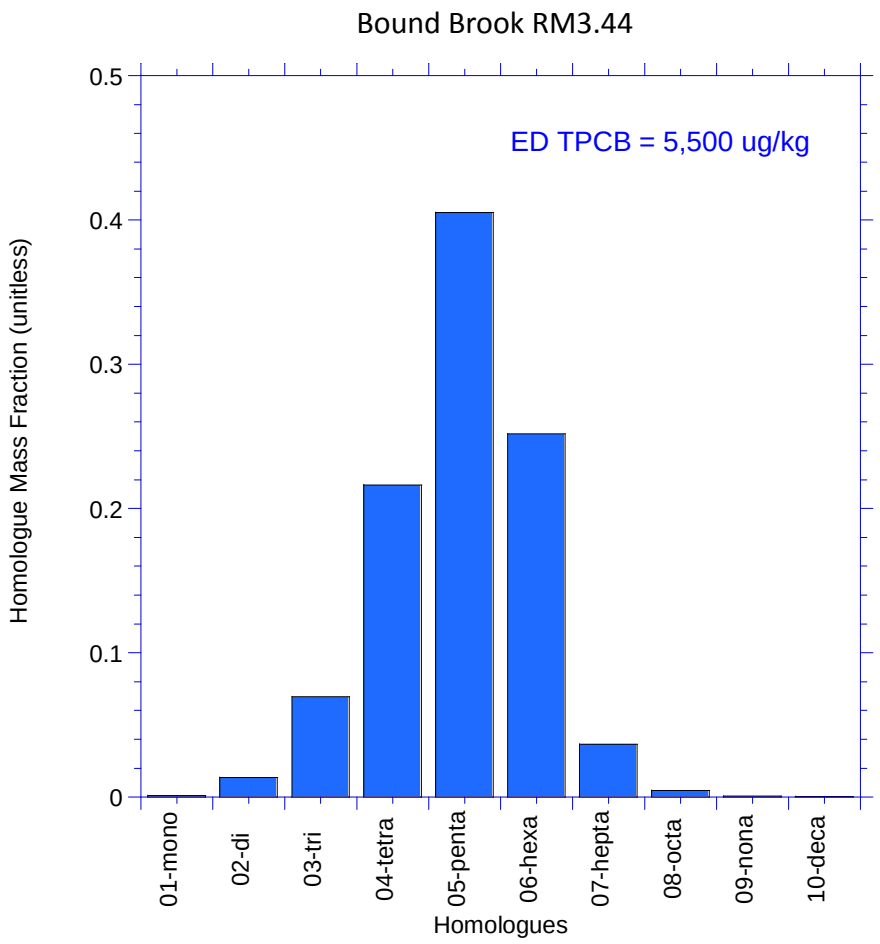
Ekman Dredge (ED)

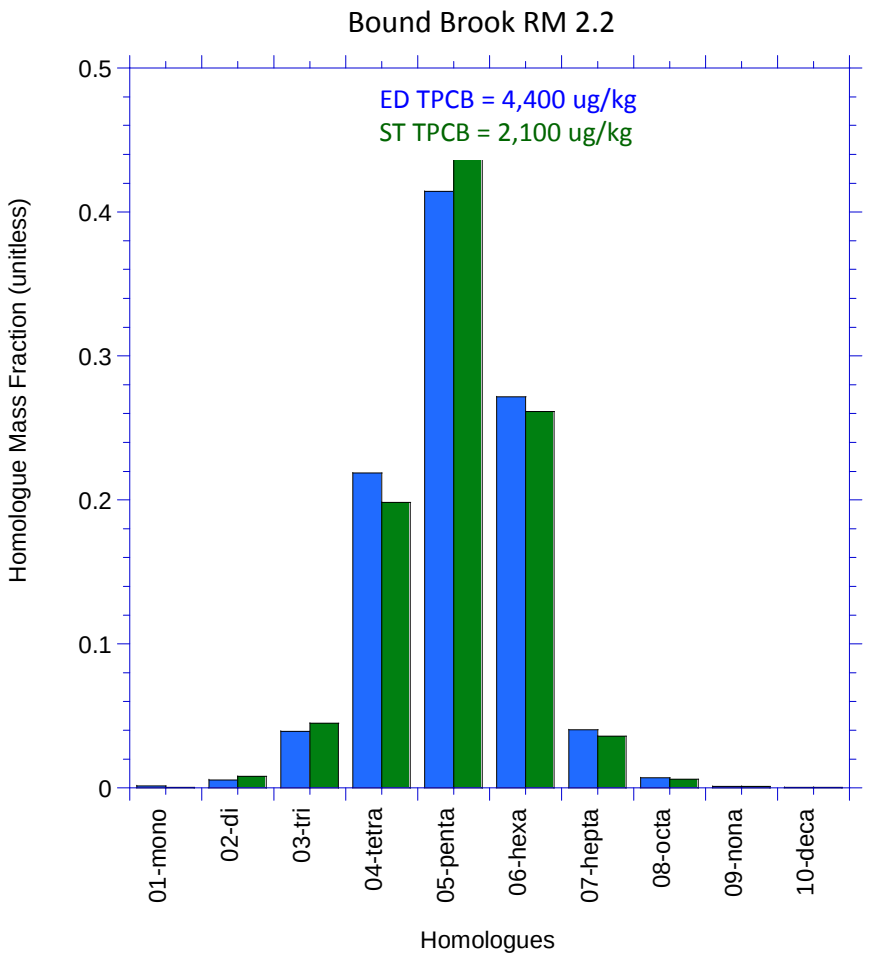
TPCB = Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Surface Sediment Homologue Patterns in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-11h





LEGEND:

- Ekman Dredge (ED)
- Sediment Trap (ST)

ED TPCB = Ekman Dredge Total PCB concentration

ST TPCB = Sediment Trap Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

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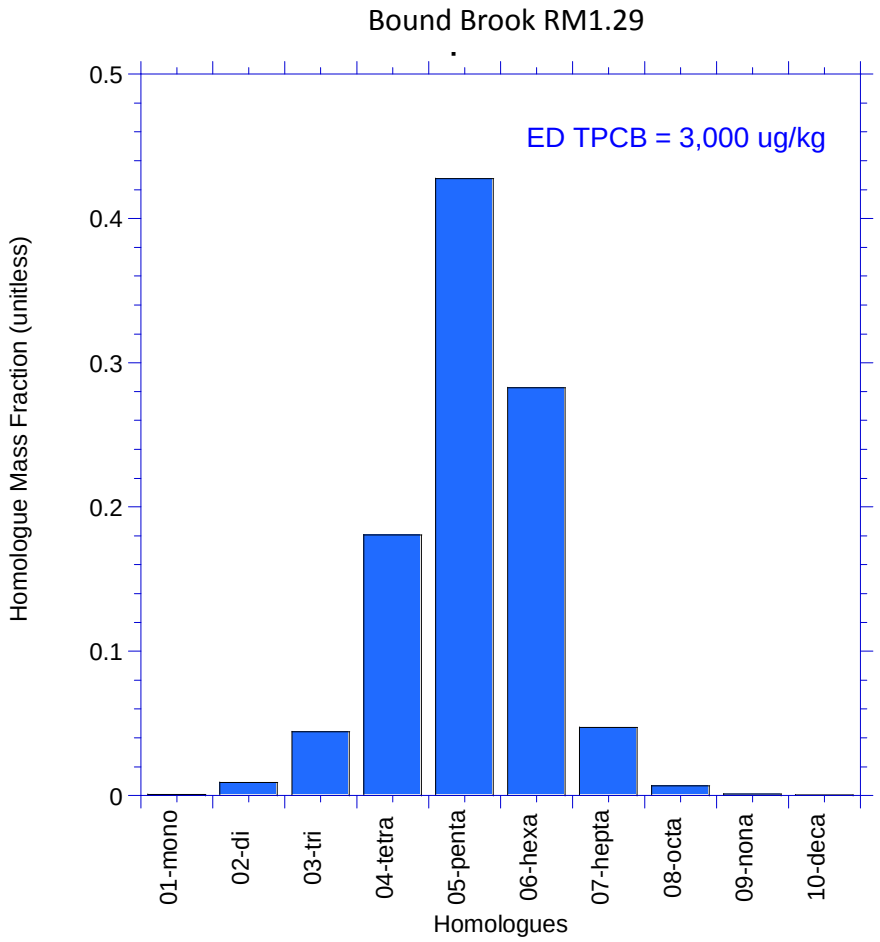
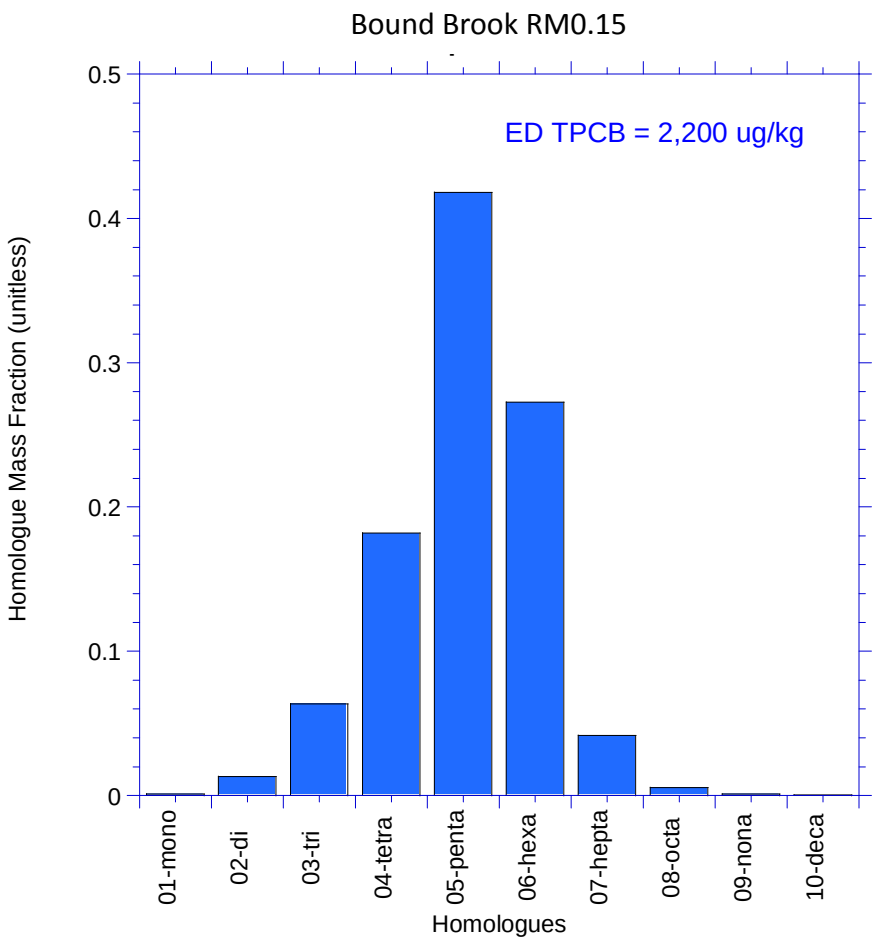
FIGURE 6-11i





LEGEND:

Ekman Dredge (ED)

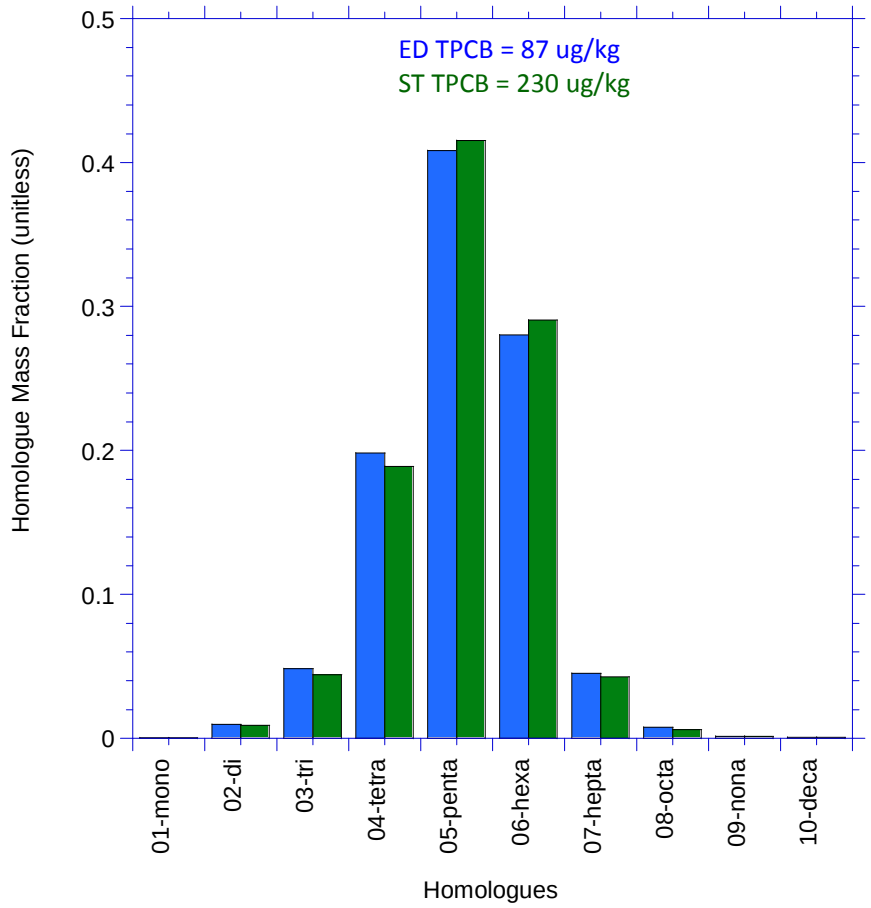
TPCB = Total PCB concentration

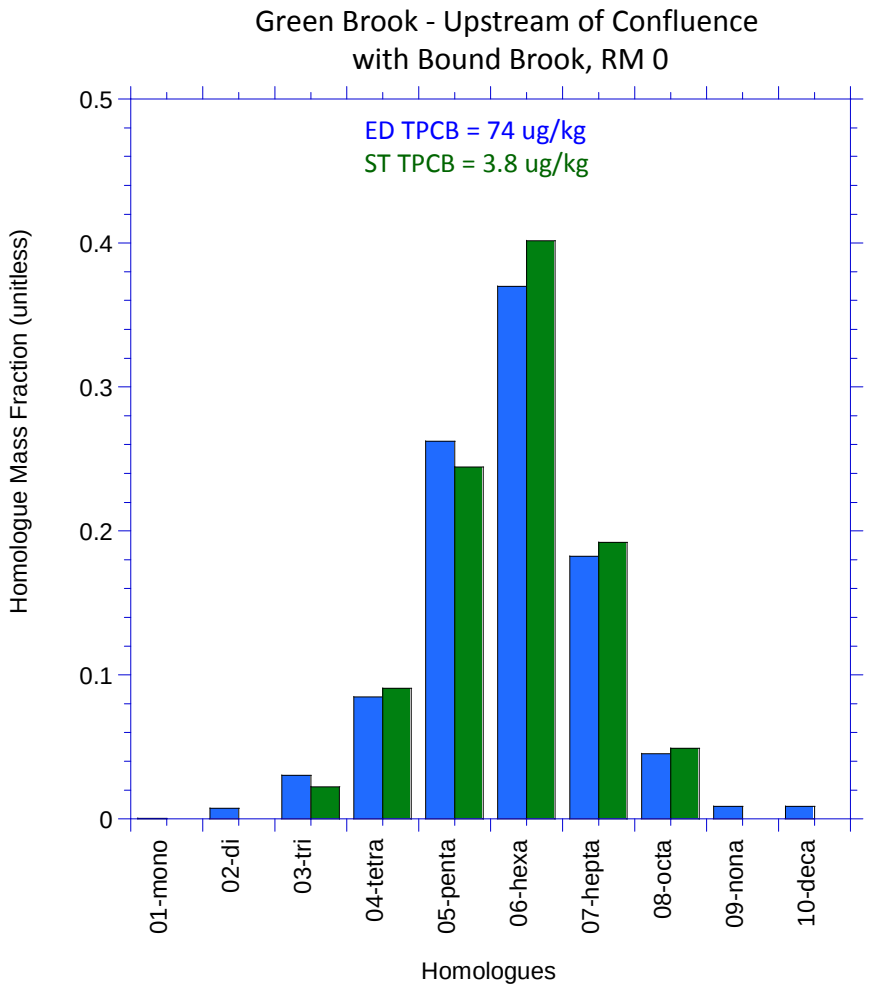
NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Surface Sediment Homologue Patterns in Recently Deposited Sediments** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-11j

DRAFT FINAL





LEGEND:

- Ekman Dredge (ED)
- Sediment Trap (ST)

ED TPCB = Ekman Dredge Total PCB concentration

ST TPCB = Sediment Trap Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

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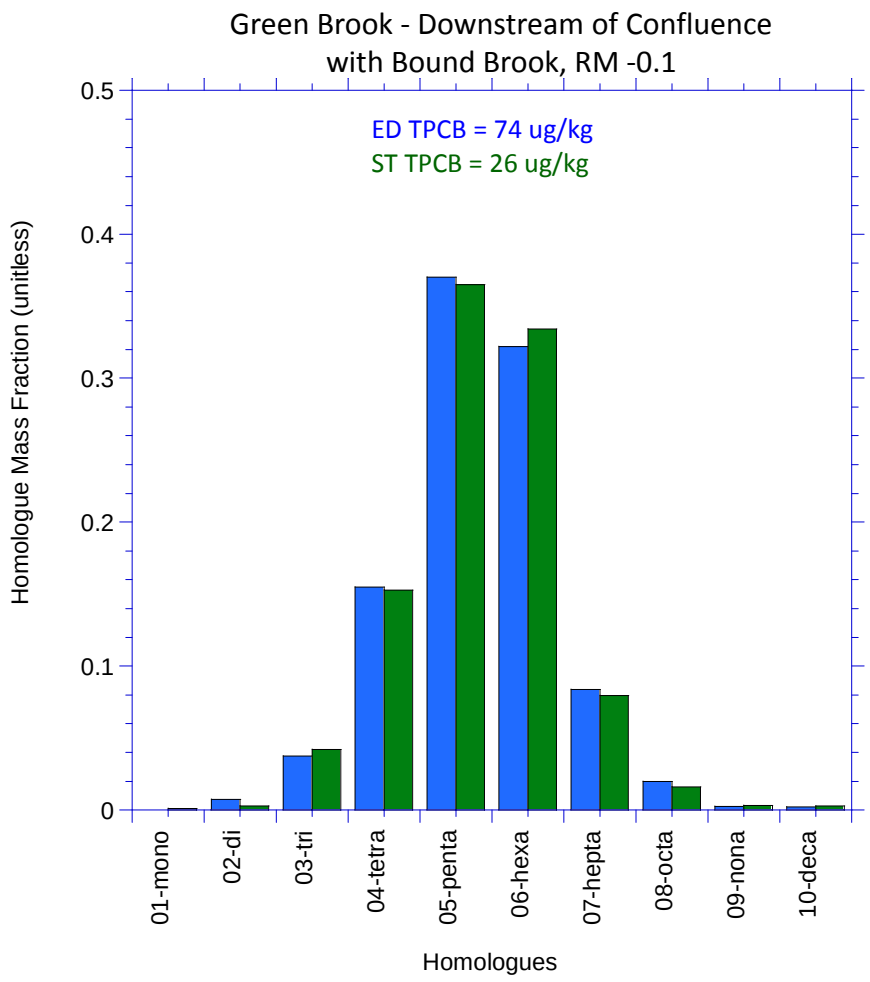
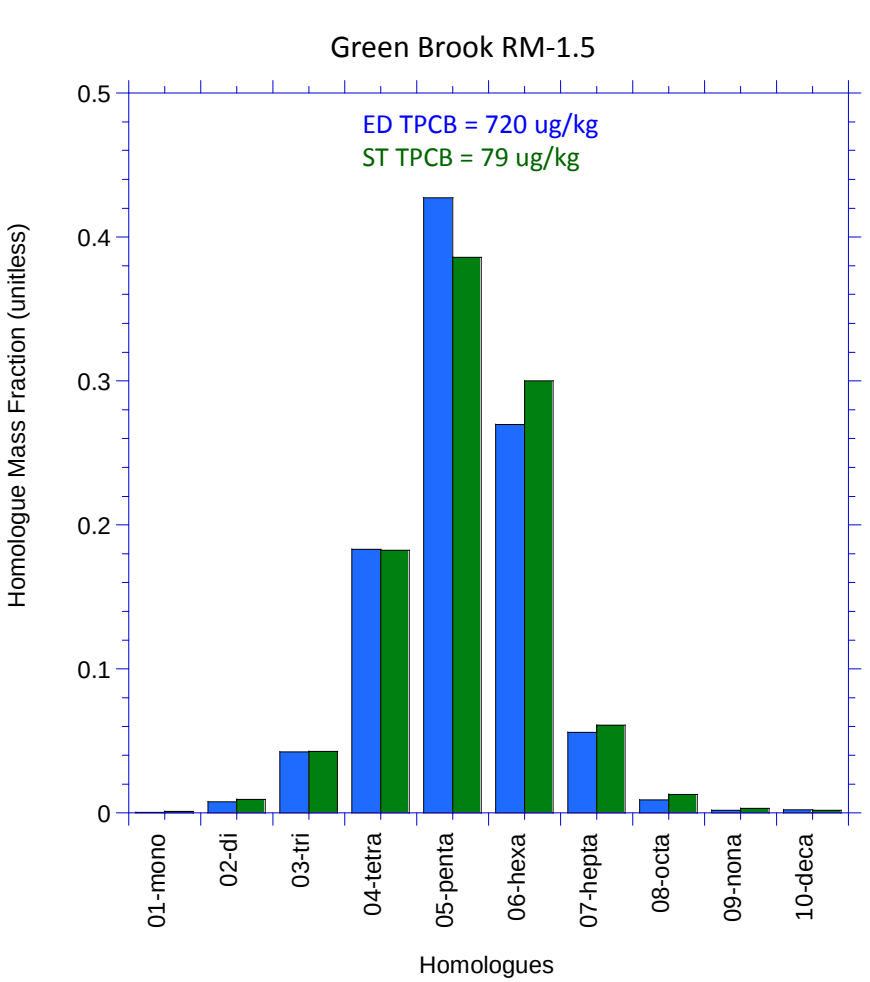
FIGURE 6-11k





LEGEND:

- Ekman Dredge (ED)
- Sediment Trap (ST)

ED TPCB = Ekman Dredge Total PCB concentration

ST TPCB = Sediment Trap Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. Total PCB concentration was rounded to 2 or 3 significant digits.
4. Data source: 2011 OU4 Remedial Investigation

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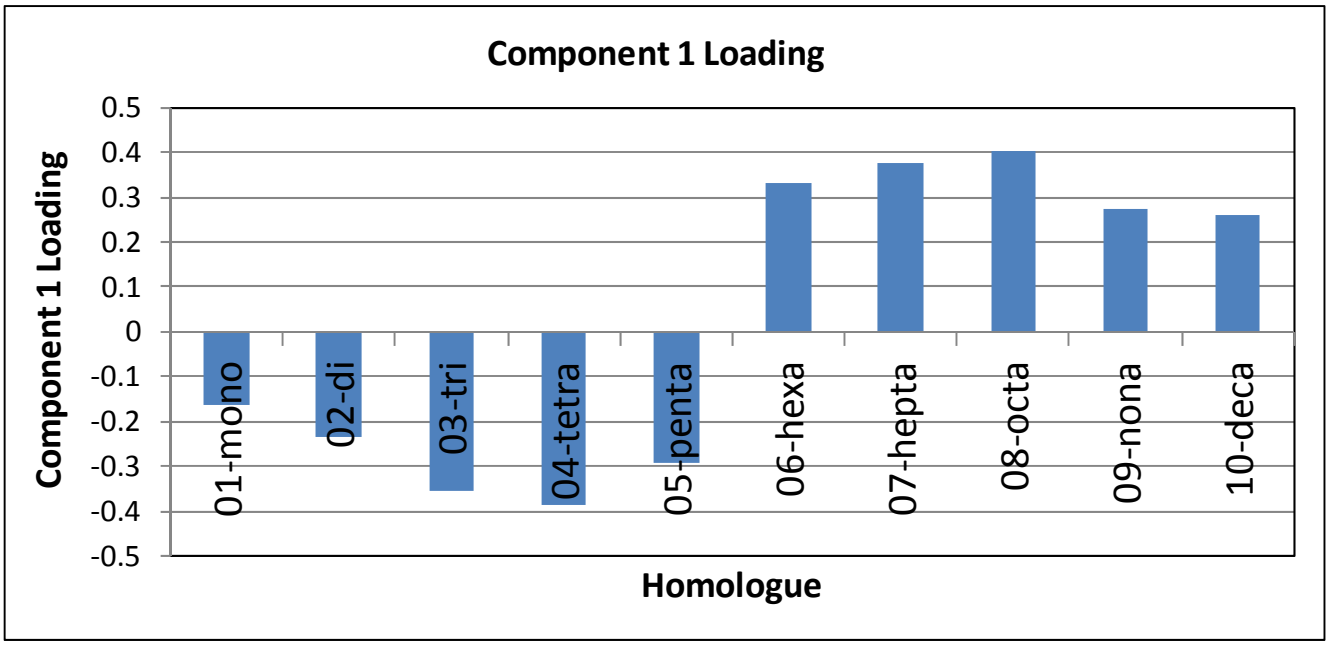
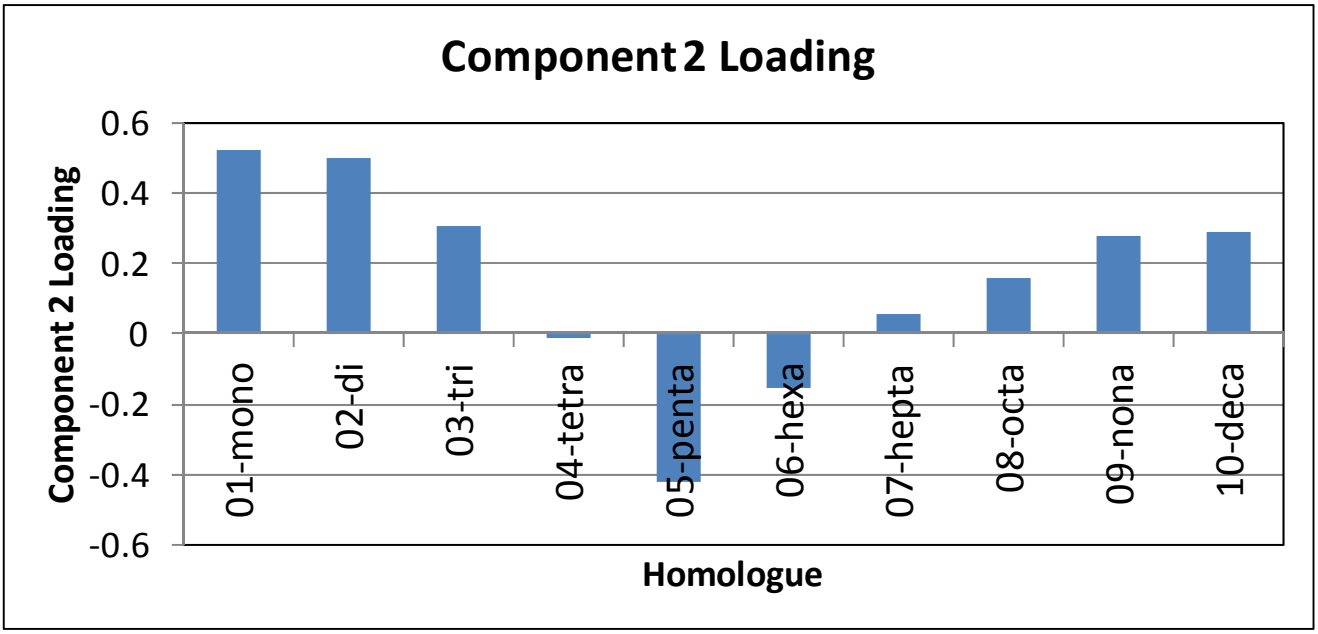
FIGURE 6-11l





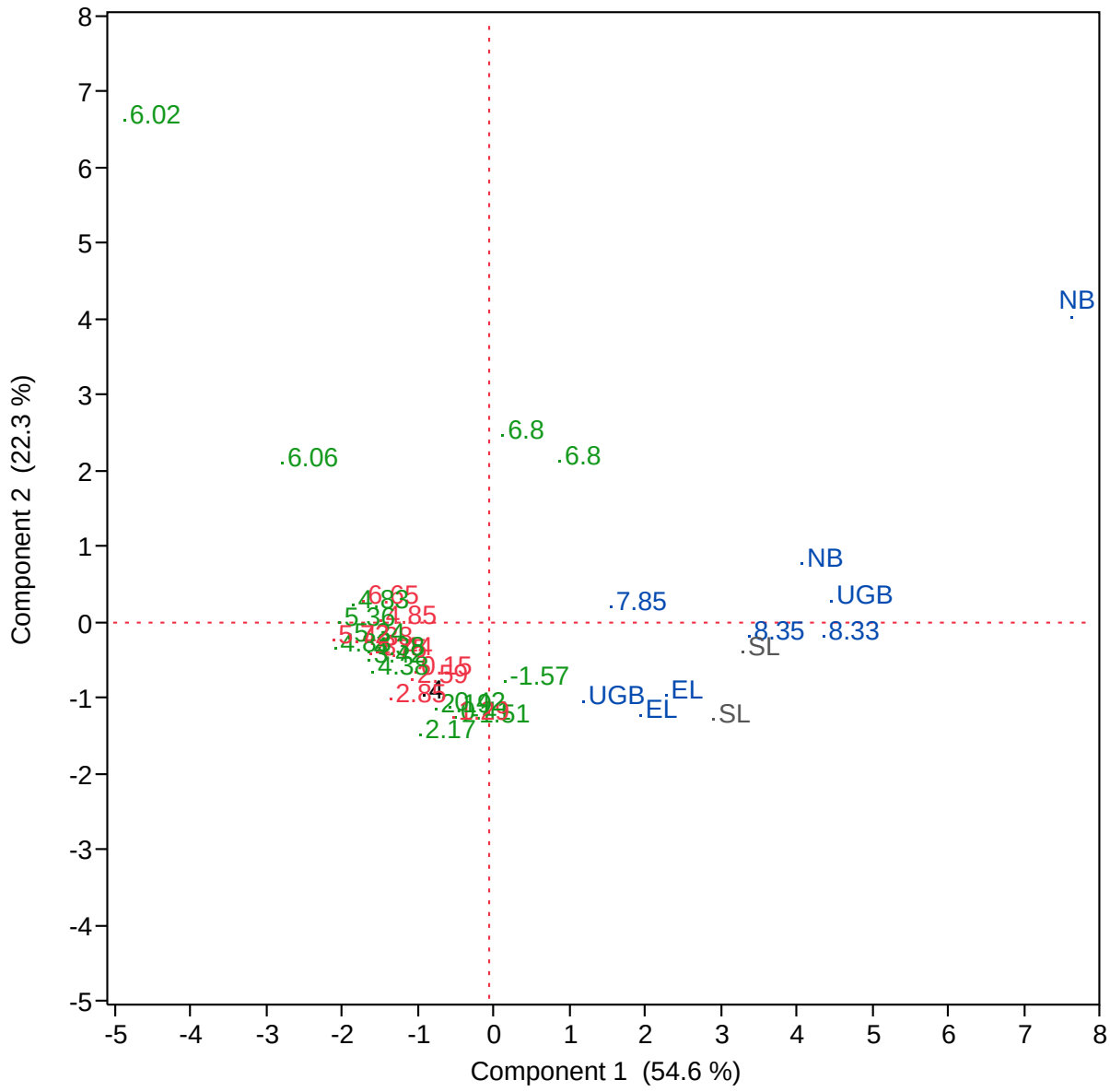
LEGEND:

Homologue loading factor

NOTES:

1. Only Be7-bearing sediments collected via Ekman dredge or sediment trap are presented, except one Woodbrook sample at RM7.85.
2. Mono- to Deca-chlorobiphenyl homologues were included in the analysis. Homologues reported by Method 1668A or Method 608.
3. Nondetected concentrations were incorporated as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Sources: 2011 OU4 Remedial Investigation and 2009 Woodbrook Road Dump Superfund Site Addendum to Draft Site Characterization Report.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Principal Components Loading for PCB Homologues in Recently Deposited Sediment** *Bou... OU4 RI/FS*	2013 FIGURE 6-12



LEGEND:

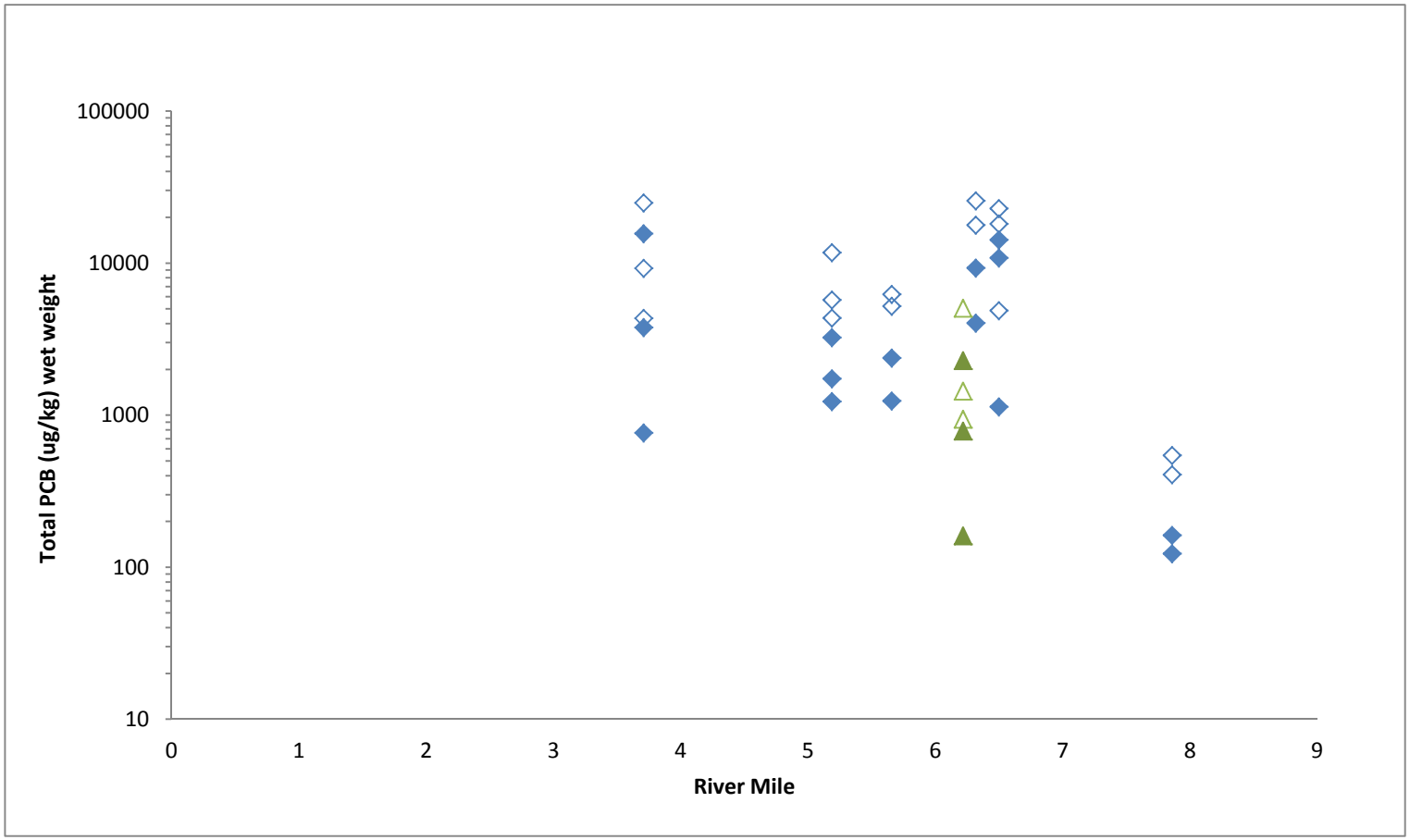
- Bound Brook (April 2011)
- Bound Brook and Green Brook (November 2011)
- Tributaries and Upstream Locations (November 2011 and 2009)
- Downstream of Spring Lake (November 2011)

UGB = Green Brook upstream of confluence with Bound Brook
NB = Unnamed tributary near New Brunswick Avenue
EL= Unnamed tributary near Elsie Avenue
SL = Downstream of Spring Lake outfall (collected on Cedar Brook)

NOTES:

1. Numbers indicate Bound Brook river mile.
2. Letters indicate geographical location.
3. Only Be7-bearing sediments collected via Ekman dredge or sediment trap are presented, except one Woodbrook sample at RM7.85.
4. Mono- to Deca-chlorobiphenyl homologues were included in the analysis. Homologues reported by Method 1668A or Method 608.
5. Nondetected concentrations were incorporated as zero.
6. Field duplicates are presented as an average concentration.
7. Data Sources: 2011 OU4 Remedial Investigation and 2009 Woodbrook Road Dump Superfund Site Addendum to Draft Site Characterization Report.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Principal Component Analysis Results for PCB Homologues in Recently Deposited Sediment** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-13



LEGEND:

- Bound Brook, Fish Carcass Tissue
- Bound Brook, Fish Fillet Tissue
- Spring Lake, Fish Carcass Tissue
- Spring Lake, Fish Fillet Tissue

NOTES:

1. Tissue data represent detected contaminant concentrations only.
2. Data represent several fish species (collected in 1997), including blue gill sunfish, carp, catfish, largemouth bass, pumpkinseed sunfish, and white sucker.
3. Spring Lake data projected at river mile 6.2 (note that all fish were caught in Spring Lake, not on Bound Brook).
4. Data source: 1999 USEPA OU4 Ecological Evaluation Report

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Total PCB concentrations Detected in Fish Tissue in 1997
Bound Brook OU4 RI/FS

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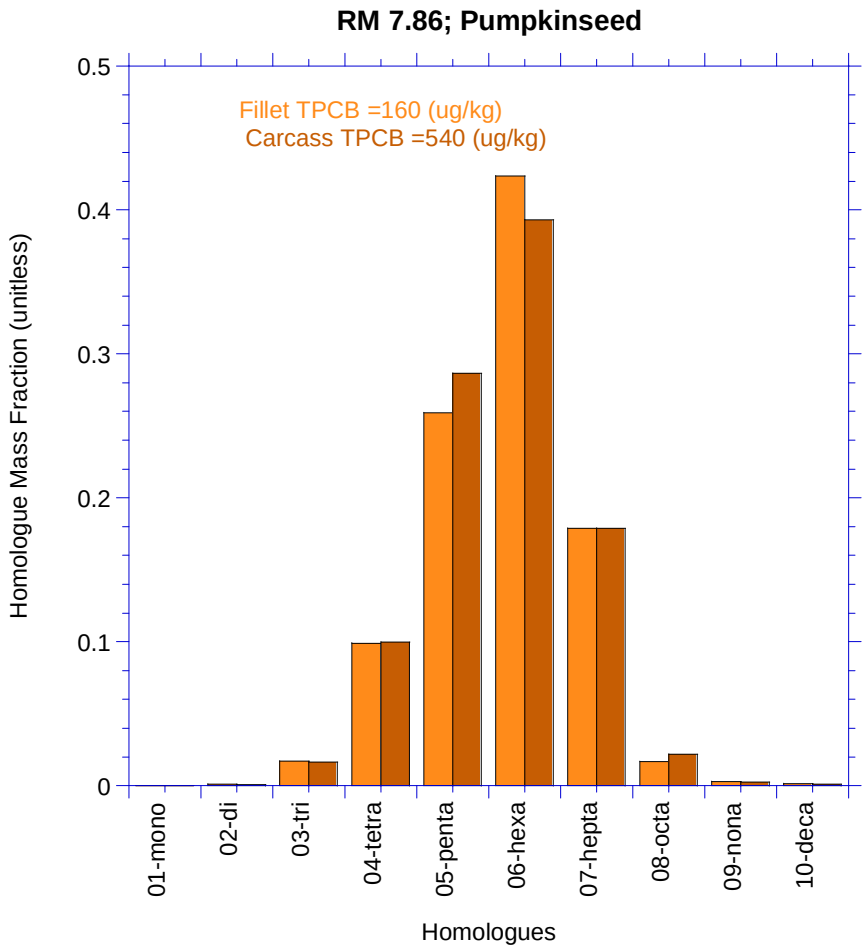
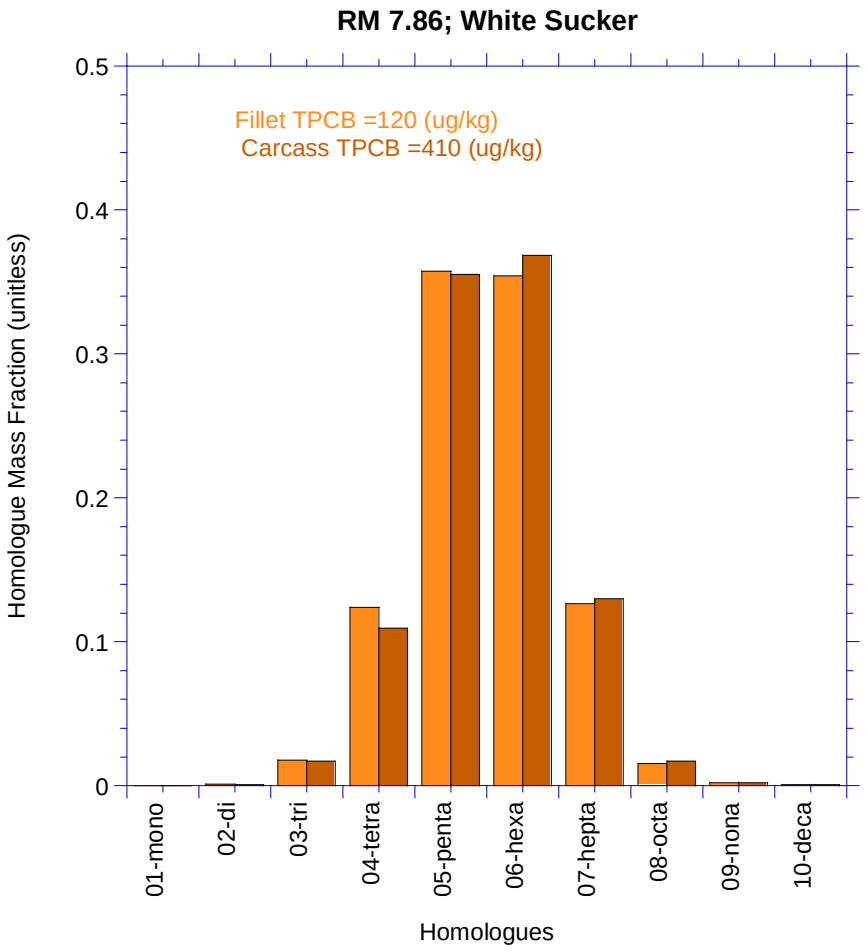
FIGURE 6-14





LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

Sample label on top of graphic: "RM 7.86; Pumpkinseed"

Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

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Fish Fillet Homologue Patterns

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FIGURE 6-15a

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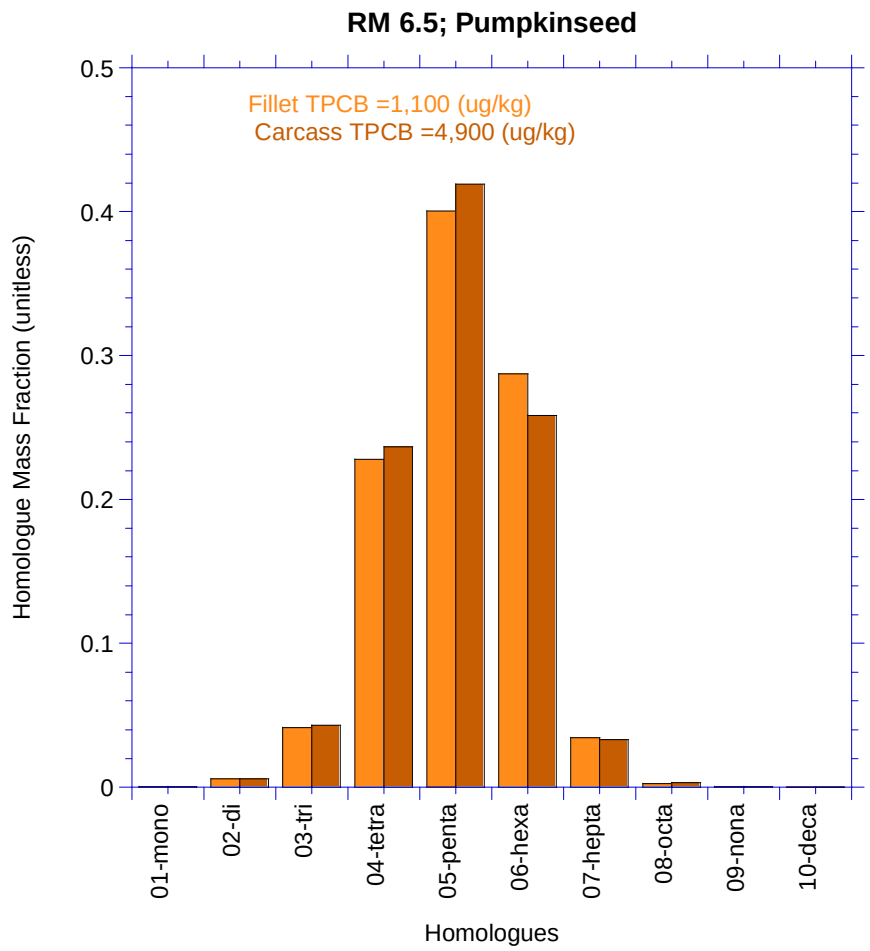
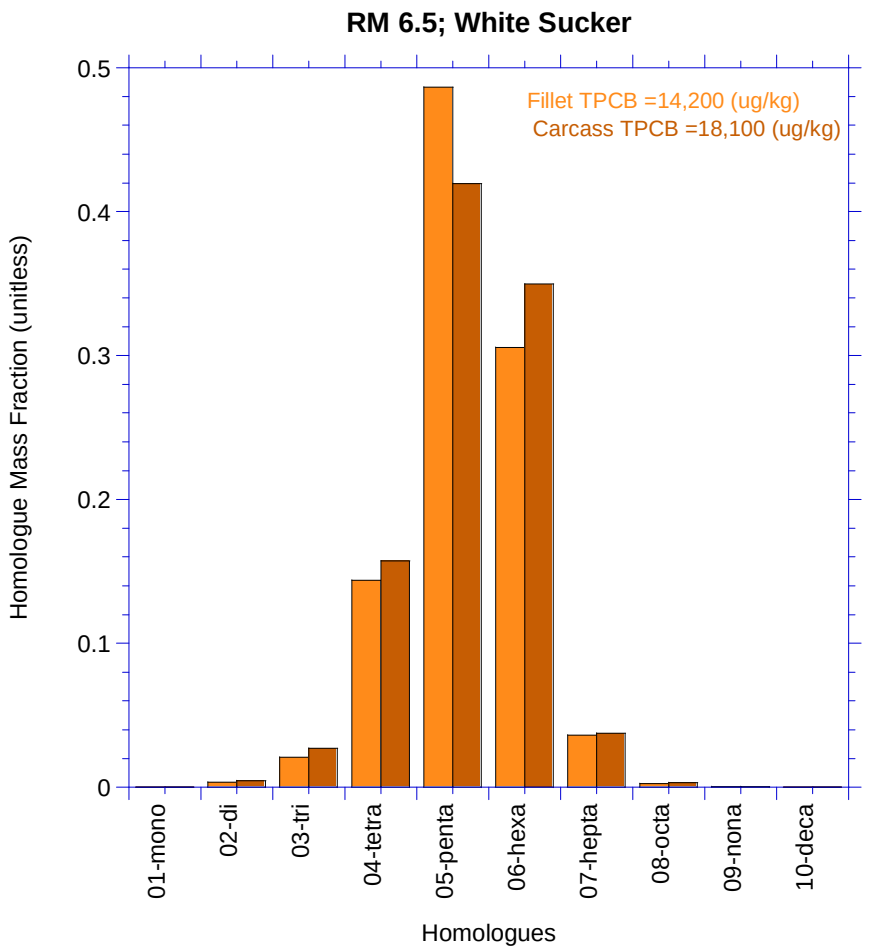




LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

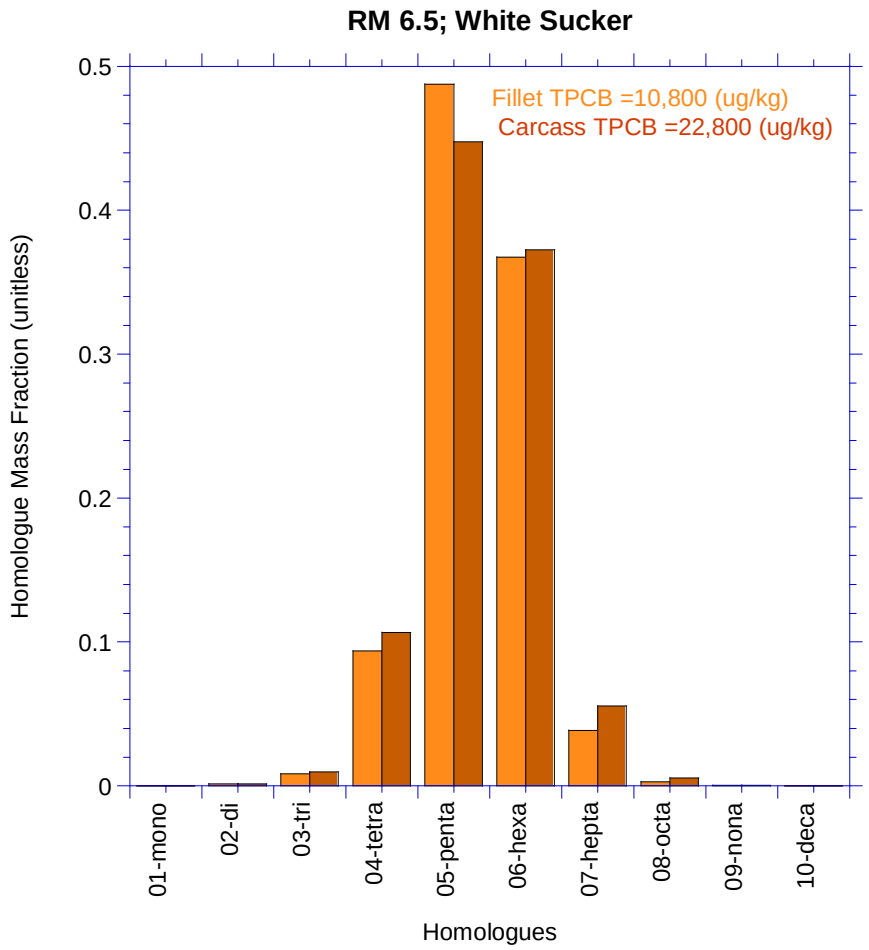
Sample label on top of graphic: "RM 7.86; Pumpkinseed"

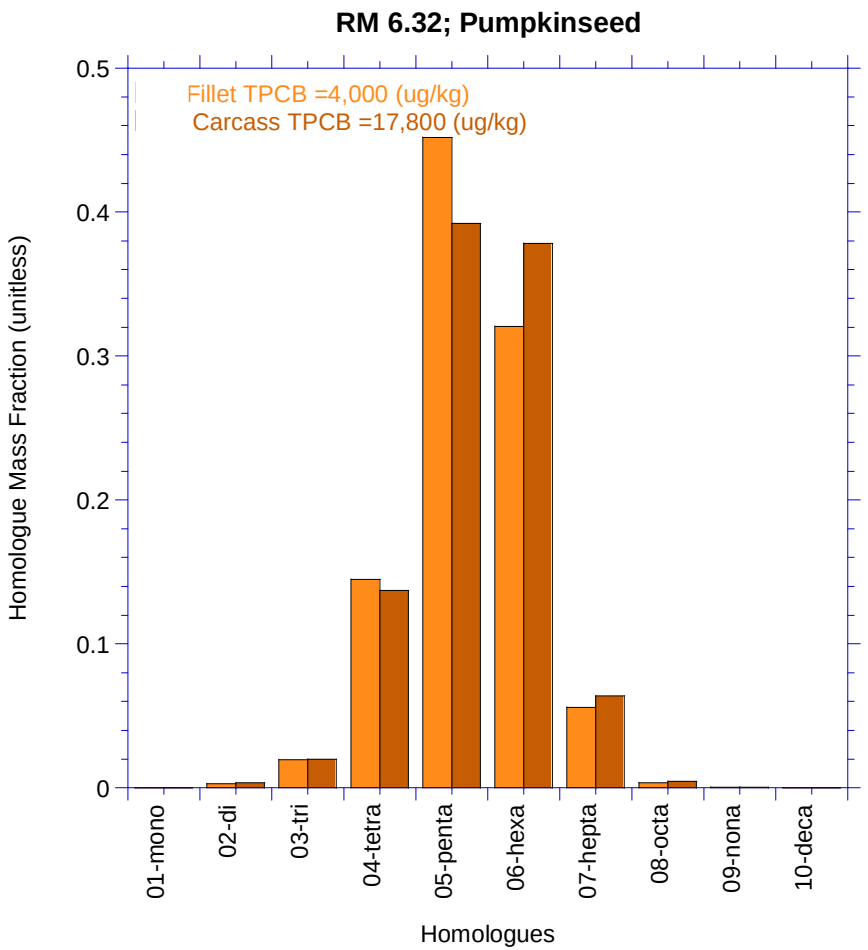
Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Fish Fillet Homologue Patterns** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-15b





LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

Sample label on top of graphic: "RM 7.86; Pumpkinseed"

Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

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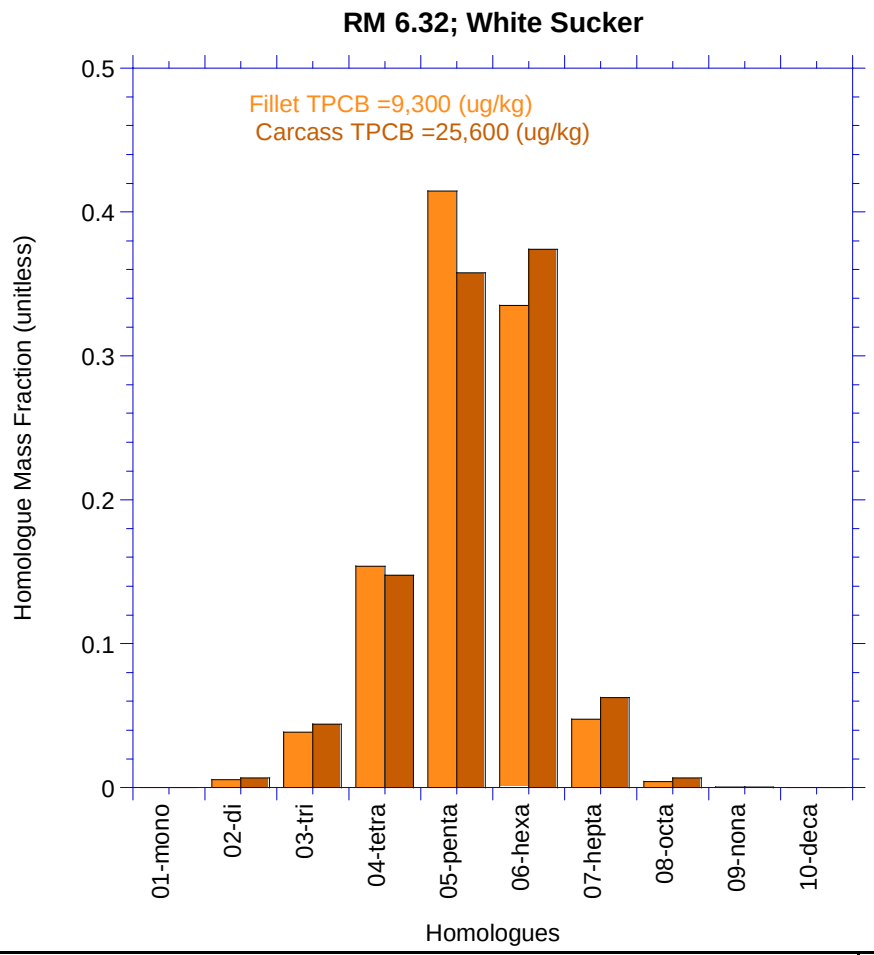
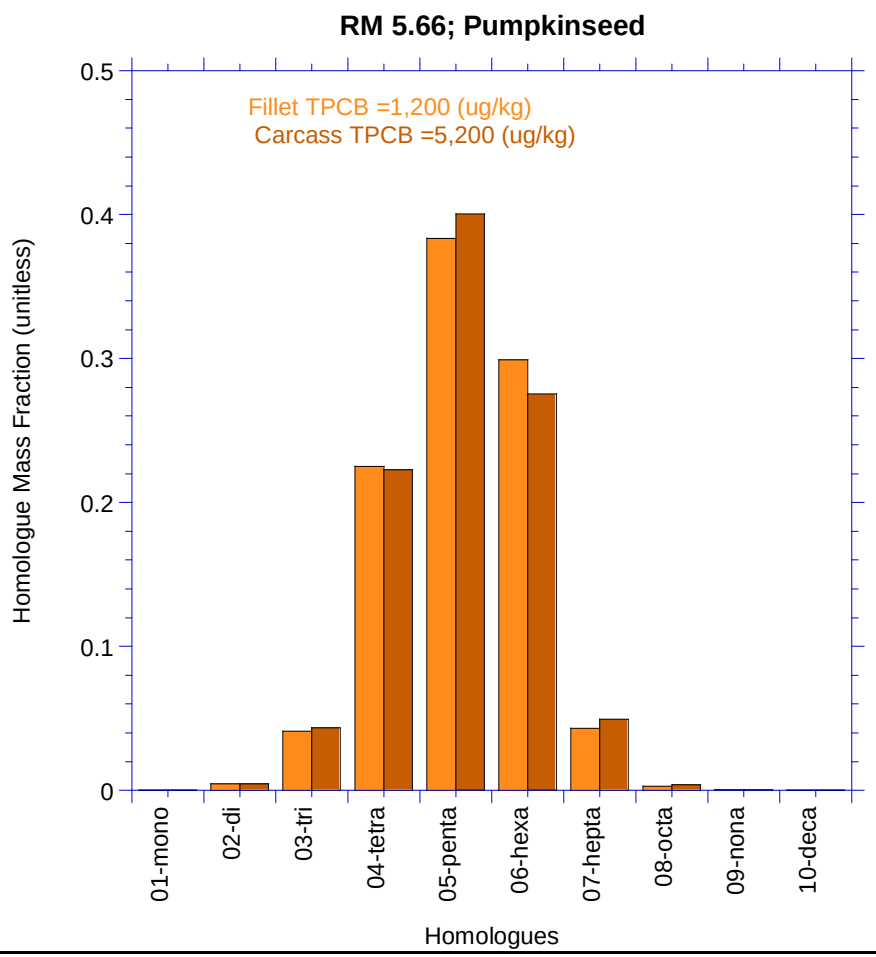
FIGURE 6-15c

DRAFT FINAL





LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

Sample label on top of graphic: "RM 7.86; Pumpkinseed"

Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

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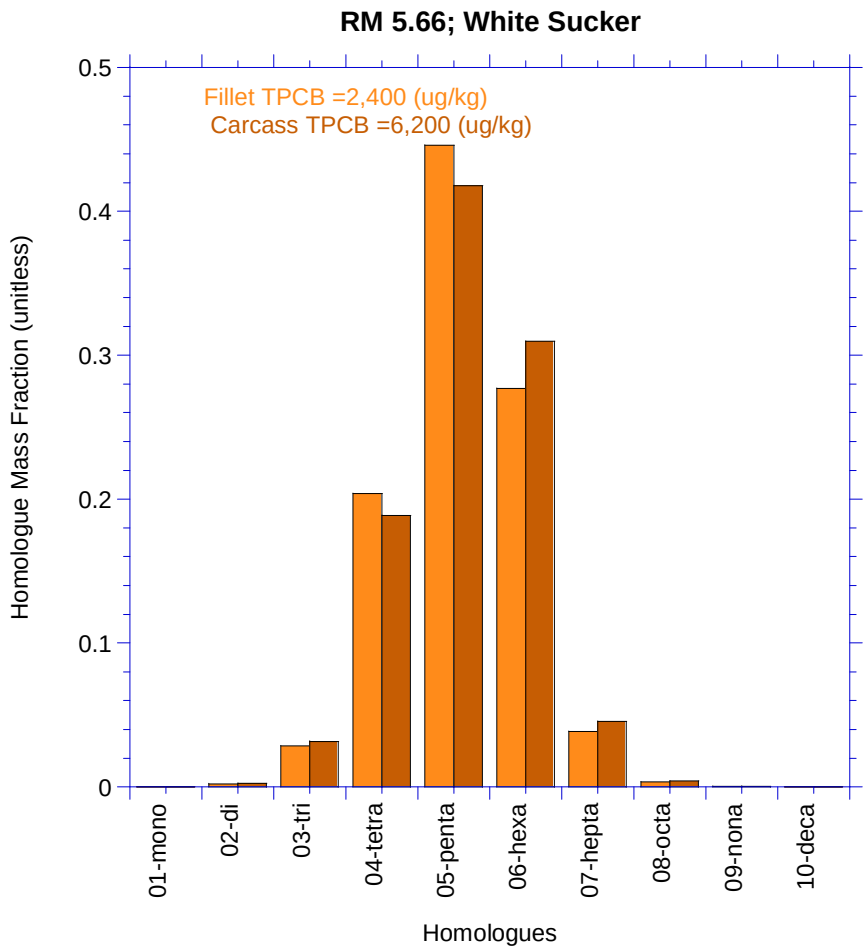
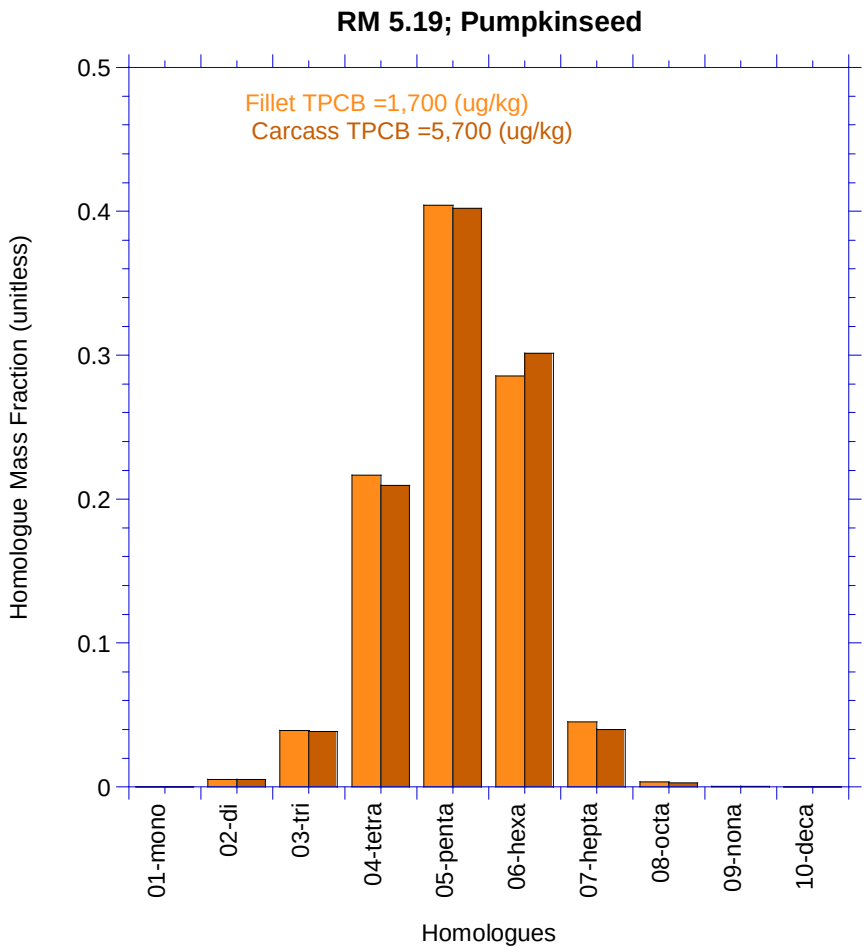
FIGURE 6-15d

DRAFT FINAL





LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

Sample label on top of graphic: "RM 7.86; Pumpkinseed"

Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

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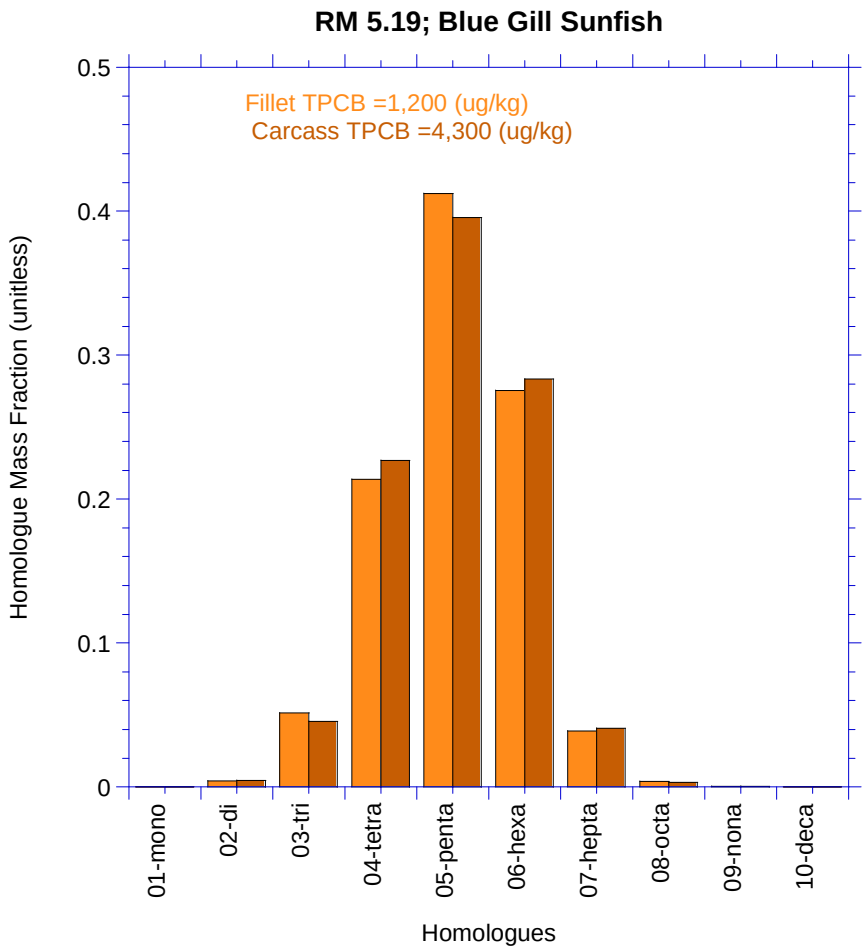
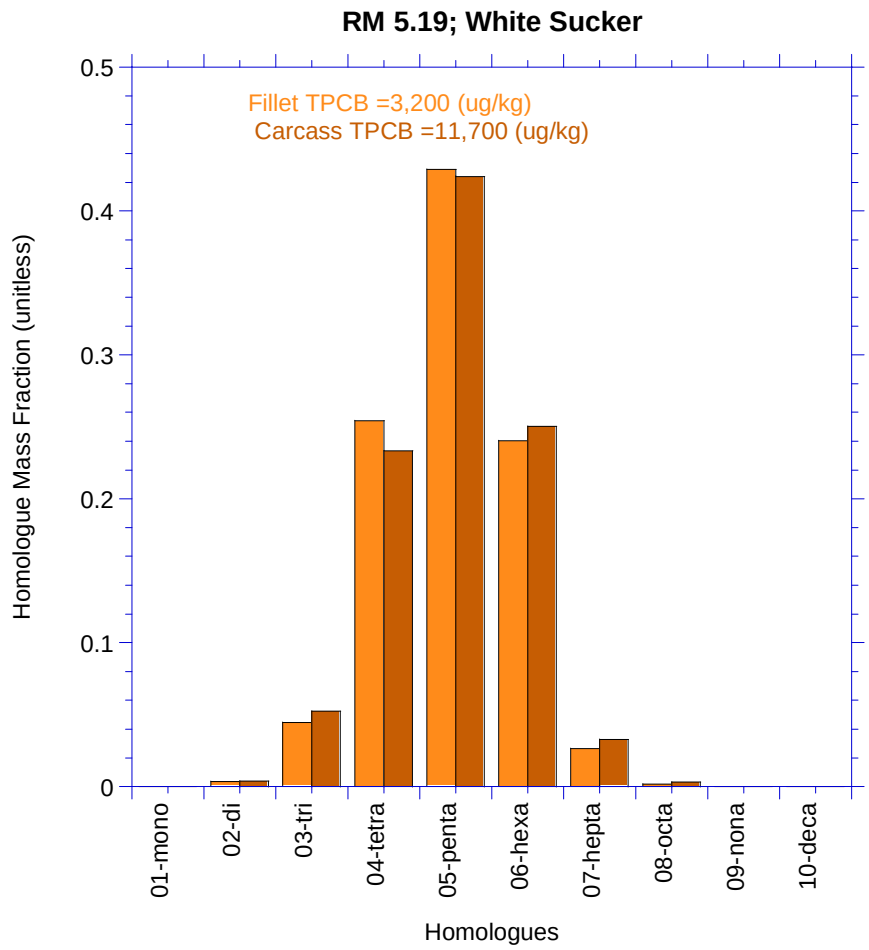
FIGURE 6-15e

DRAFT FINAL





LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

Sample label on top of graphic: "RM 7.86; Pumpkinseed"

Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

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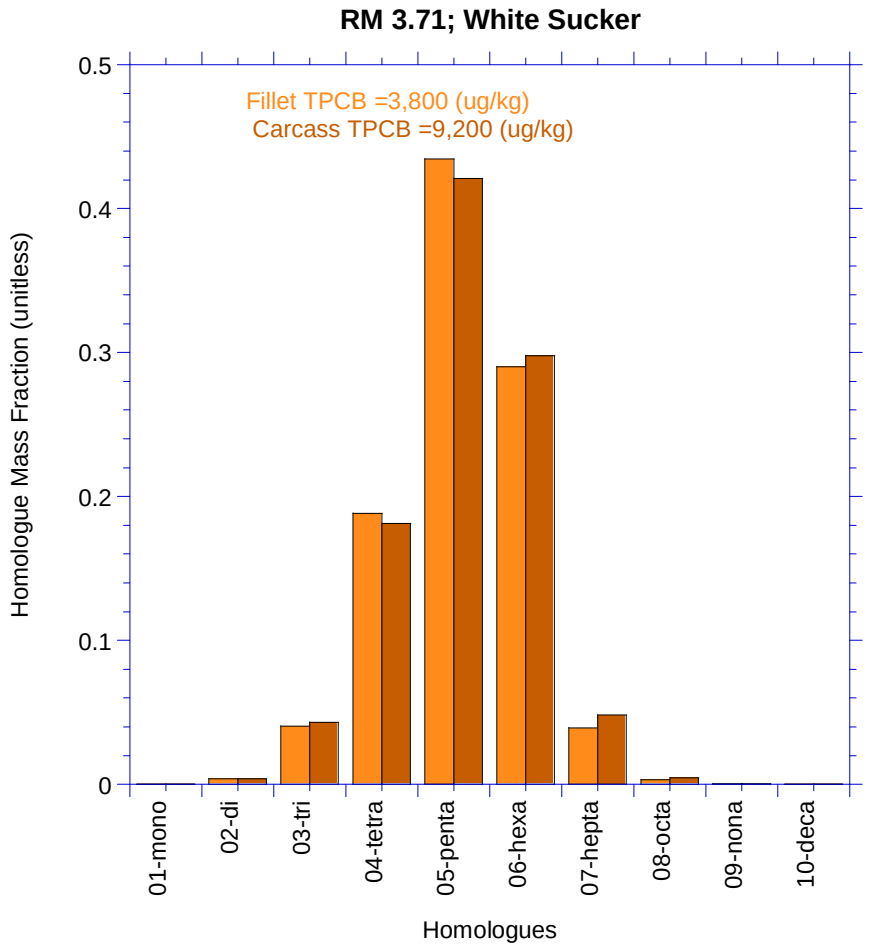
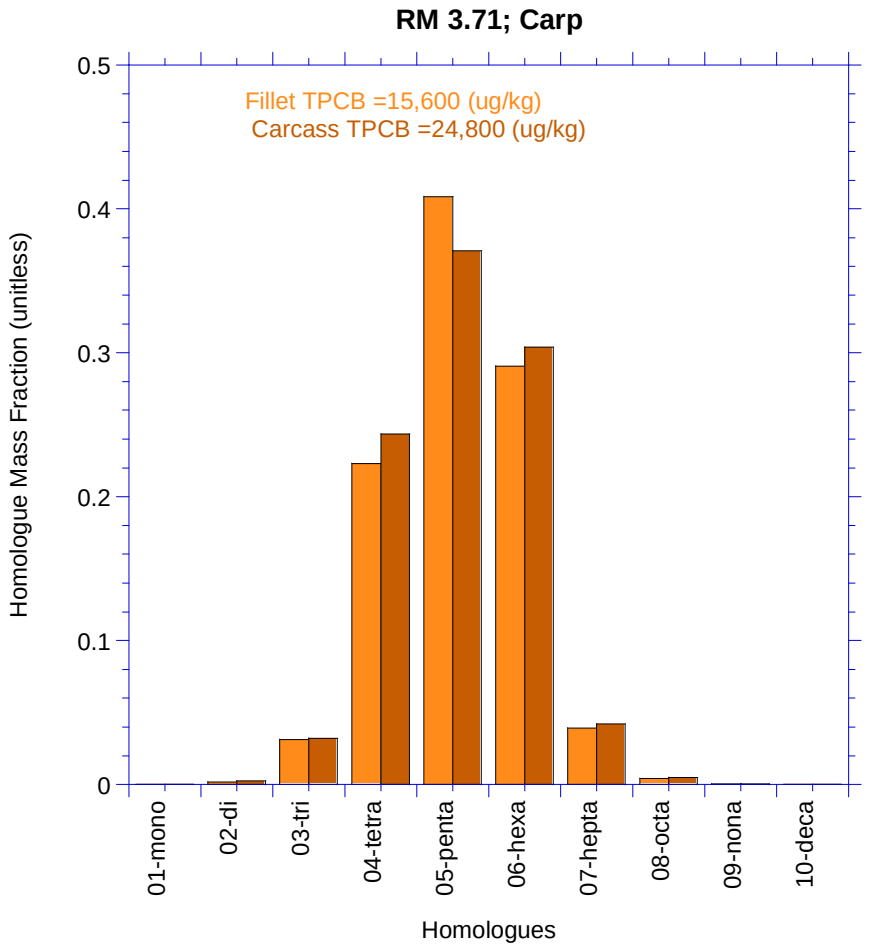
FIGURE 6-15f

DRAFT FINAL





LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

Sample label on top of graphic: "RM 7.86; Pumpkinseed"

Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

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Fish Fillet Homologue Patterns

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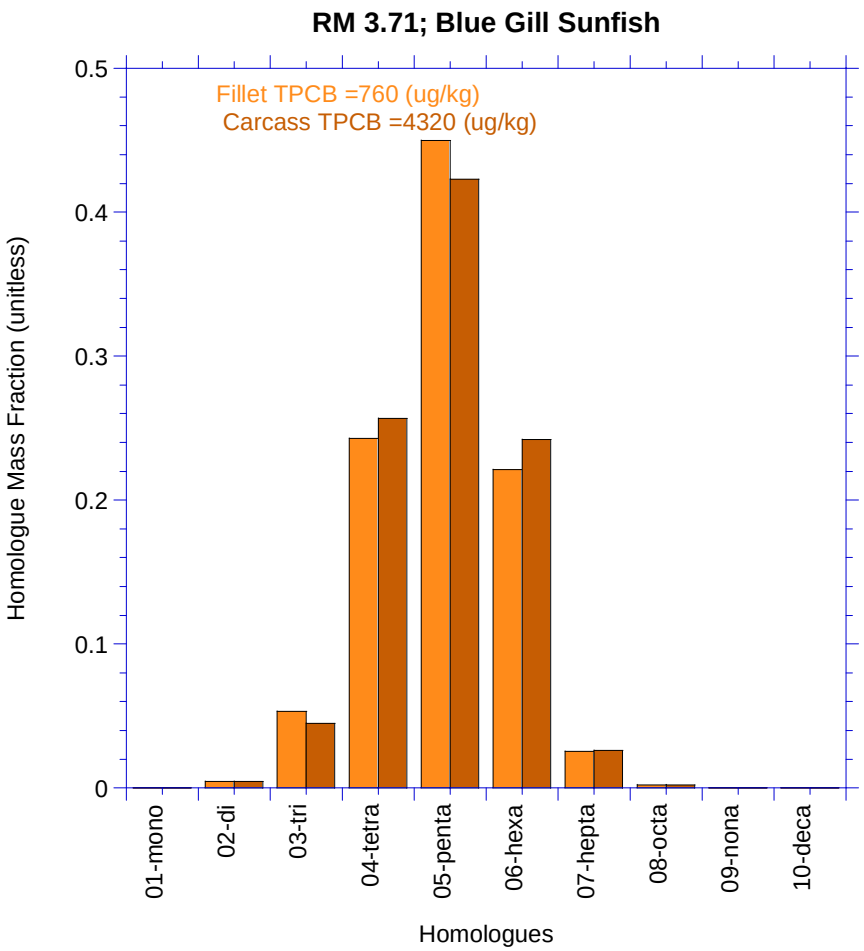
FIGURE 6-15g

DRAFT FINAL



LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

Sample label on top of graphic: "RM 7.86; Pumpkinseed"

Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

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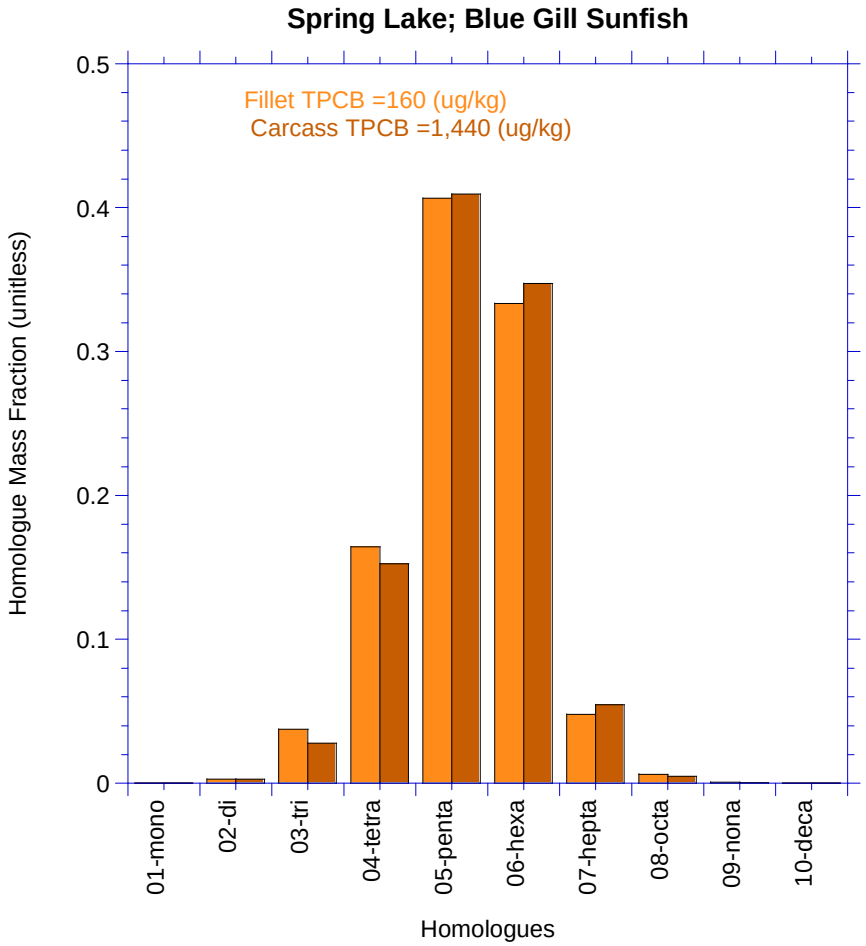
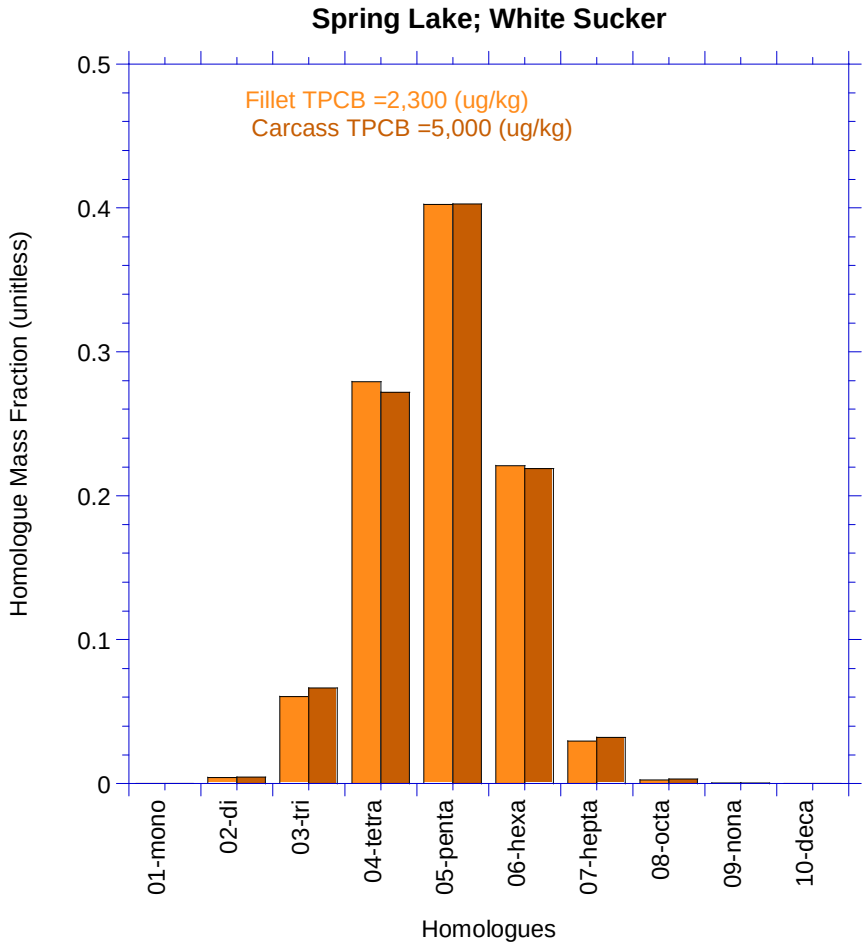
FIGURE 6-15h

DRAFT FINAL





LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

Sample label on top of graphic: "RM 7.86; Pumpkinseed"

Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

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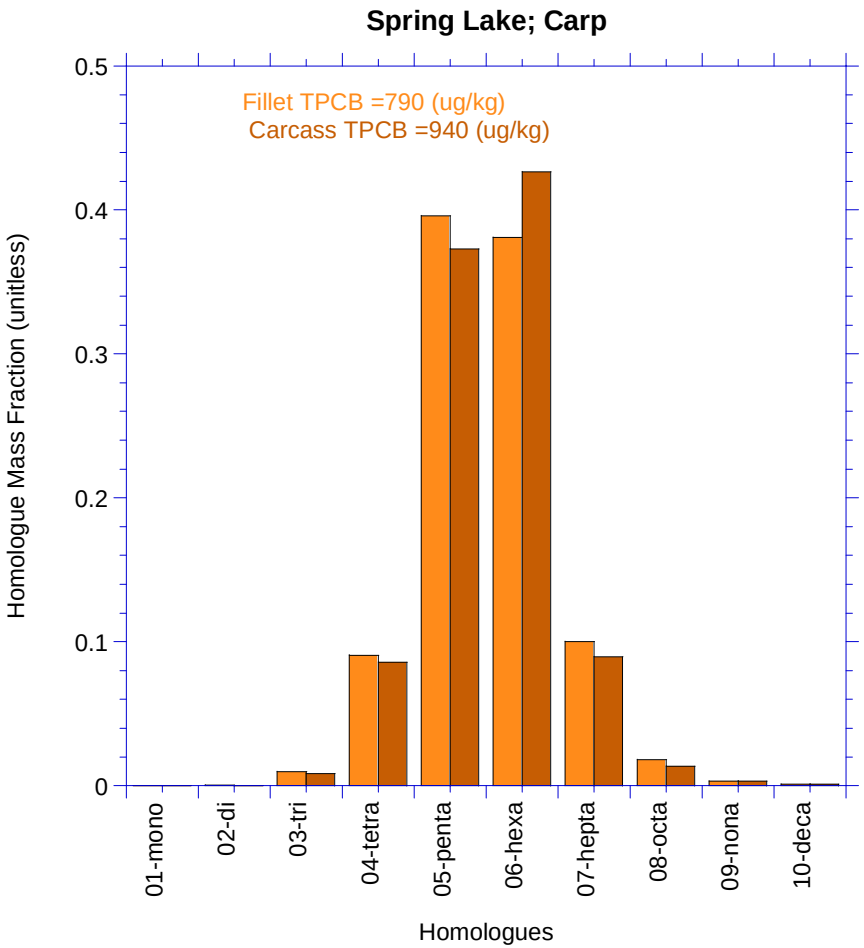
FIGURE 6-15i

DRAFT FINAL



LEGEND:

- Homologue mass fraction in fish fillet sample
- Homologue mass fraction in fish carcass sample

TPCB = Total PCB Concentration

Sample label on top of graphic: "RM 7.86; Pumpkinseed"

Indicates River Mile in Bound Brook and Fish Species

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 significant digits.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

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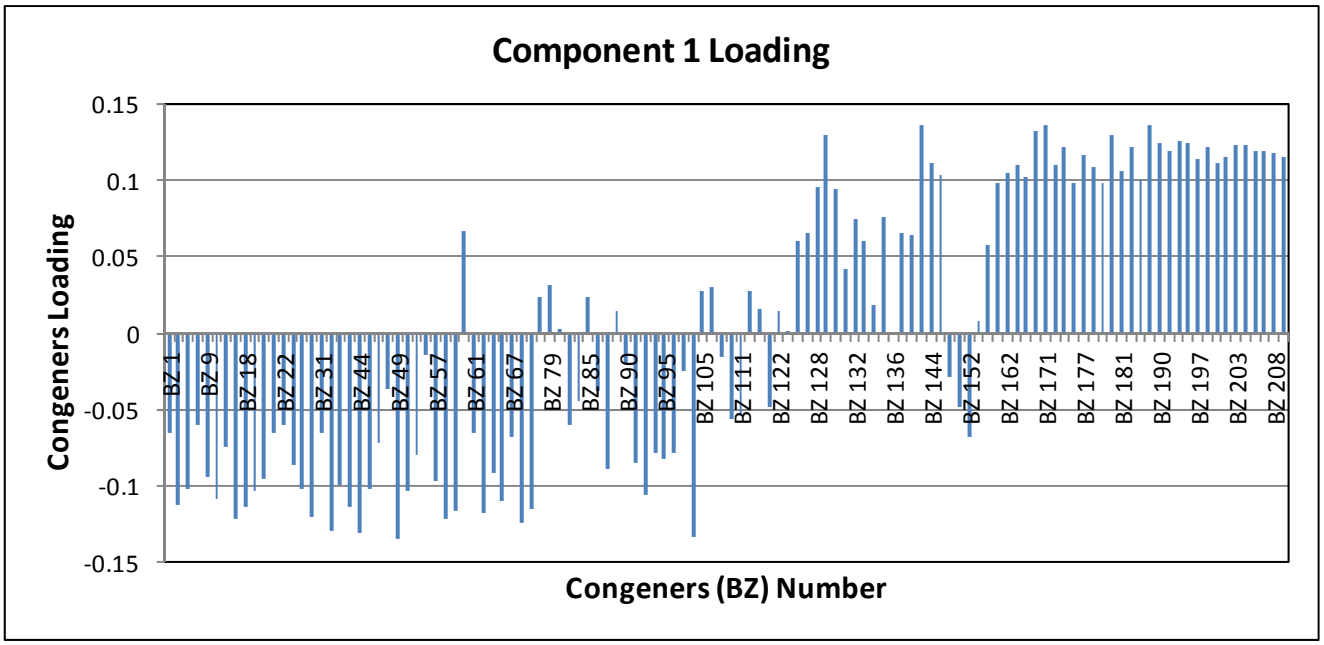
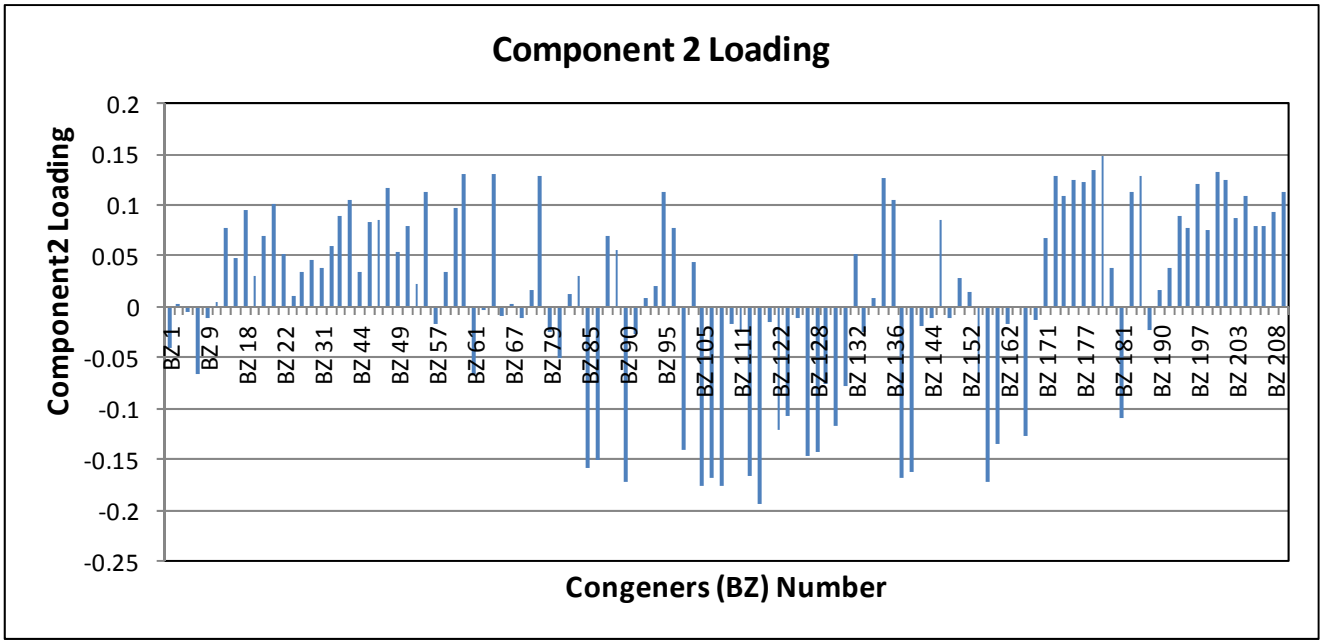
FIGURE 6-15j

DRAFT FINAL





LEGEND:

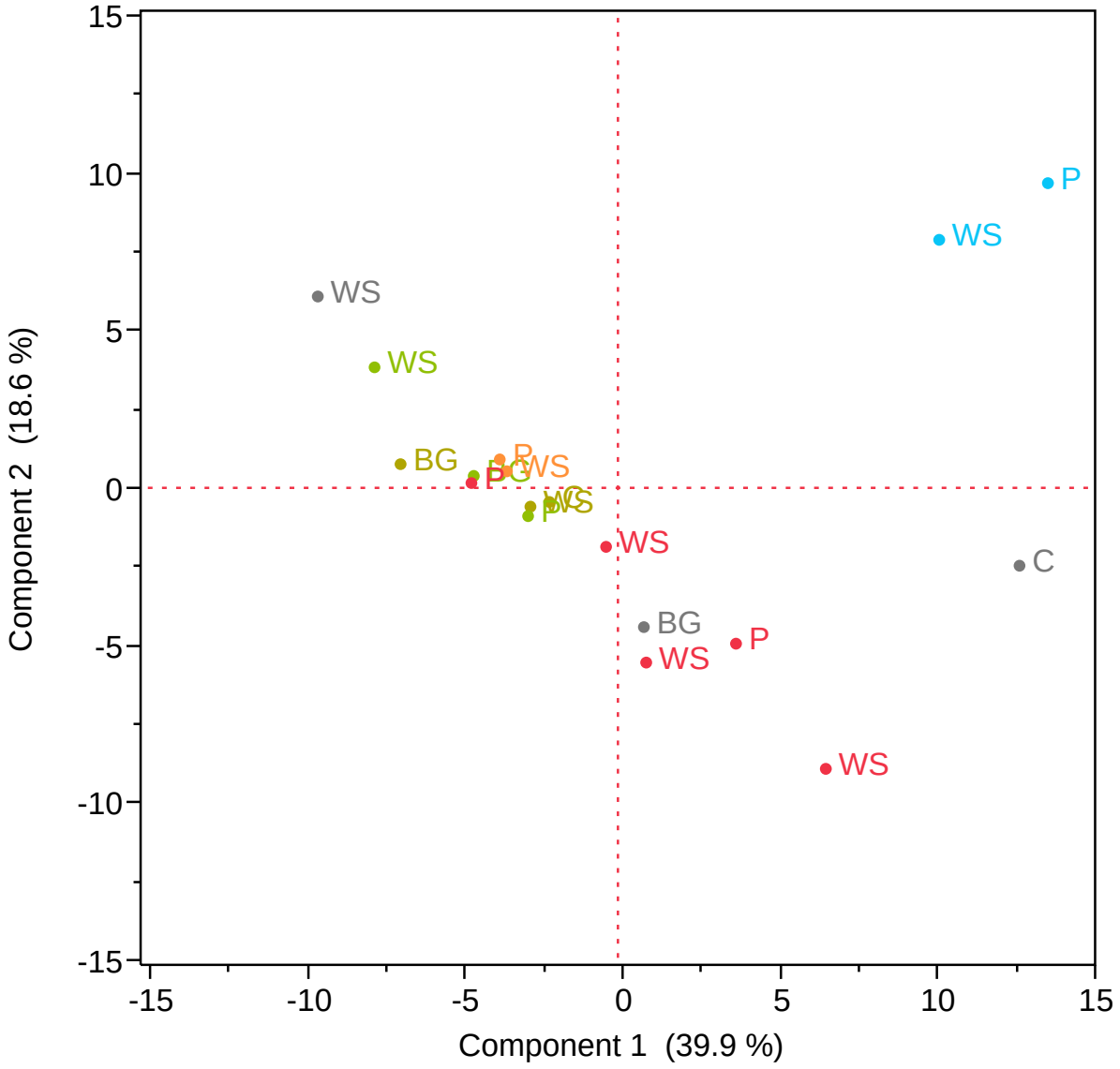
PCB loading factor

NOTES:

1. Only fish fillet was included in the analysis.
2. 118 congeners were included in the analysis.
3. Nondetected concentrations were incorporated as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Principal Components Loading for PCB Congeners in Fish Fillets** *Bound[illegible] OU1 RI/FS*	2013 FIGURE 6-16

DRAFT FINAL



LEGEND:

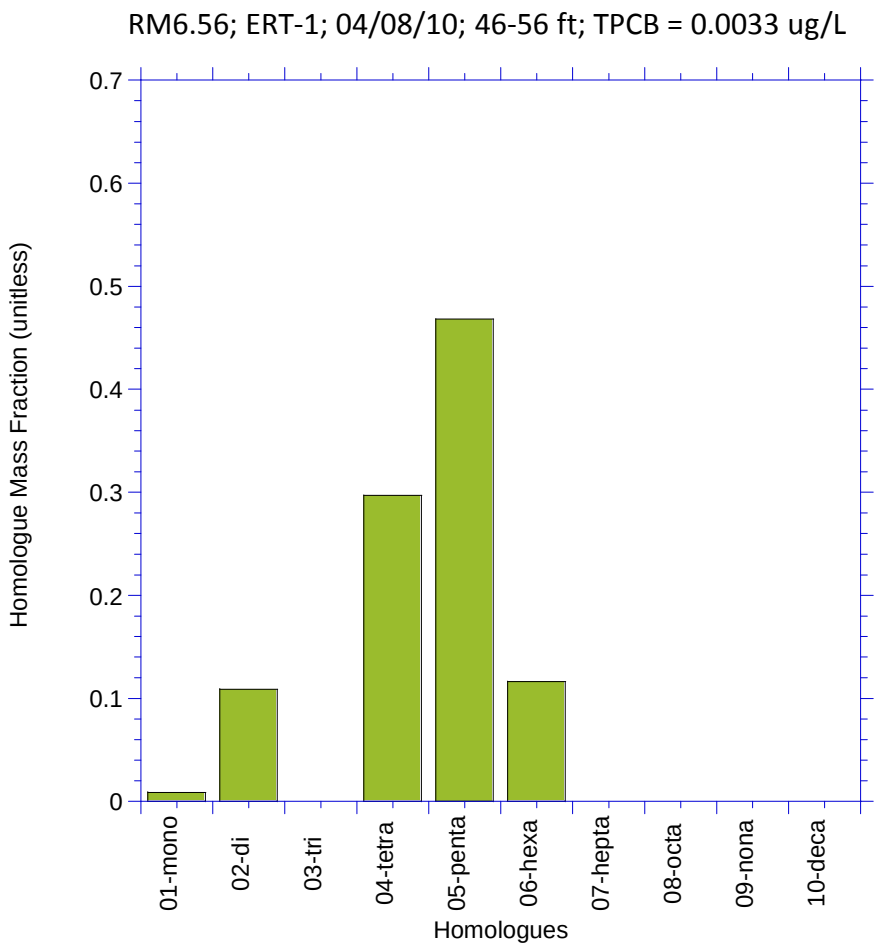
- New Market Pond
- RM 4.09 to RM 5.22
- RM 5.22 to RM 6.18
- RM 6.18 to RM 6.82
- RM 6.82 to RM 8.31
- Spring Lake

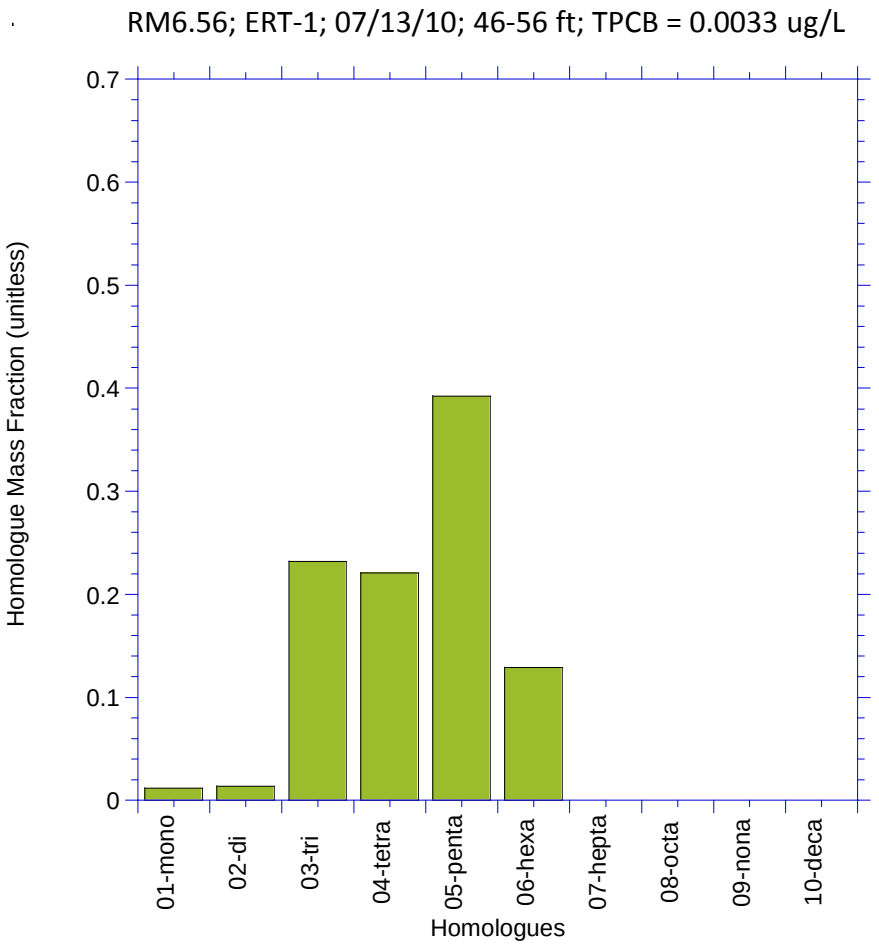
NOTES:

1. Letters indicate fish species:
   BG = Blue Gill Sunfish
   C = Carp
   P = Pumpkinseed Sunfish
   WS = White Sucker
2. Only fish fillet was included in the analysis.
3. 118 congeners were included in the analysis.
4. Nondetected concentrations were incorporated as zero.
5. For samples with field duplicates, the average concentration is presented.
6. Data source: 2010 Cornell-Dubilier Bound Brook Reassessment.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Principal Components Analysis Results for PCB Congeners in Fish Fillets** *Bound Brook, NJ*	2013 FIGURE 6-17

DRAFT FINAL





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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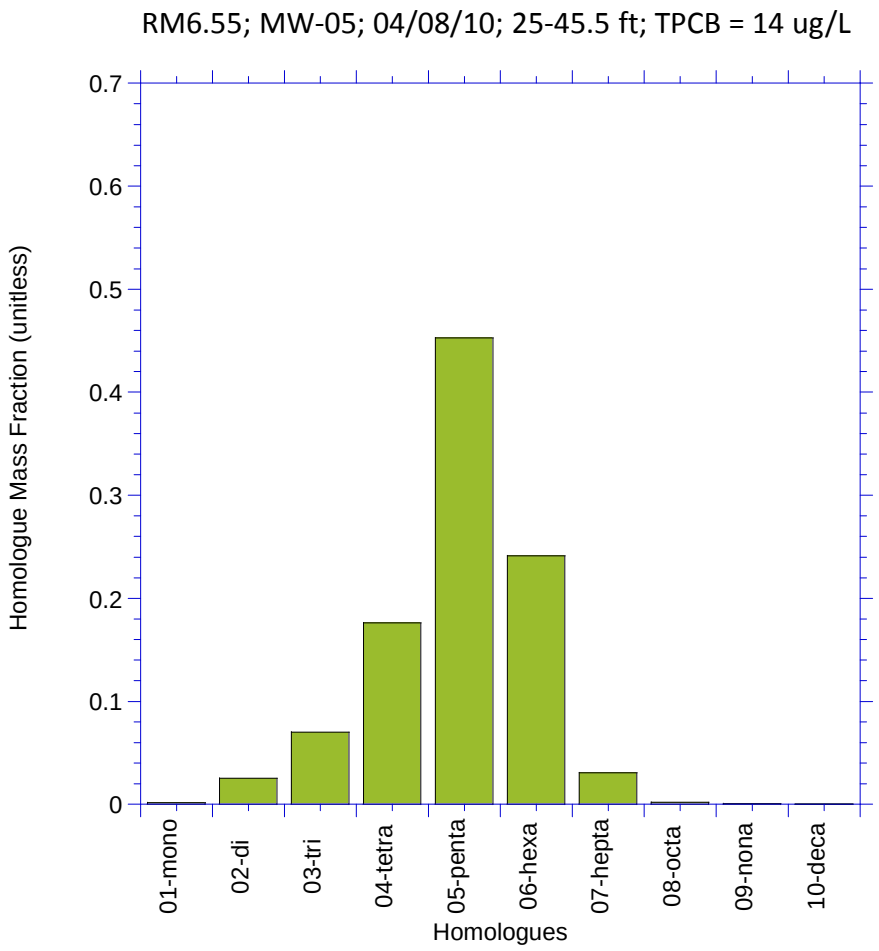
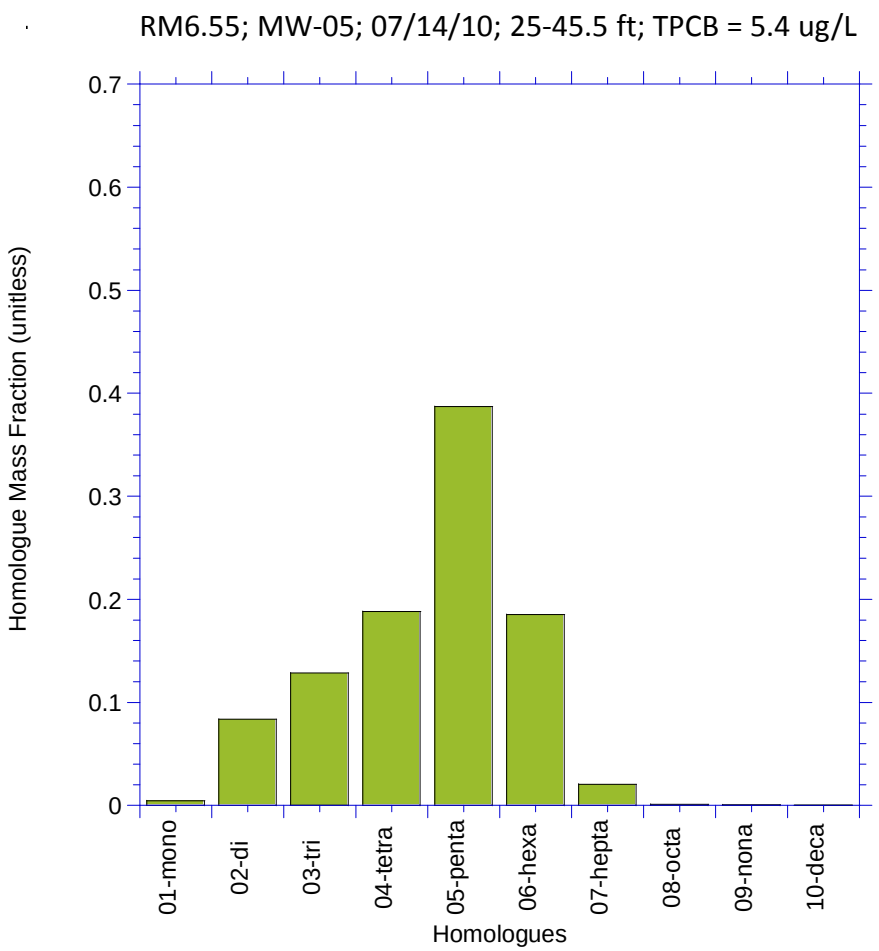
FIGURE 6-18a

DRAFT FINAL





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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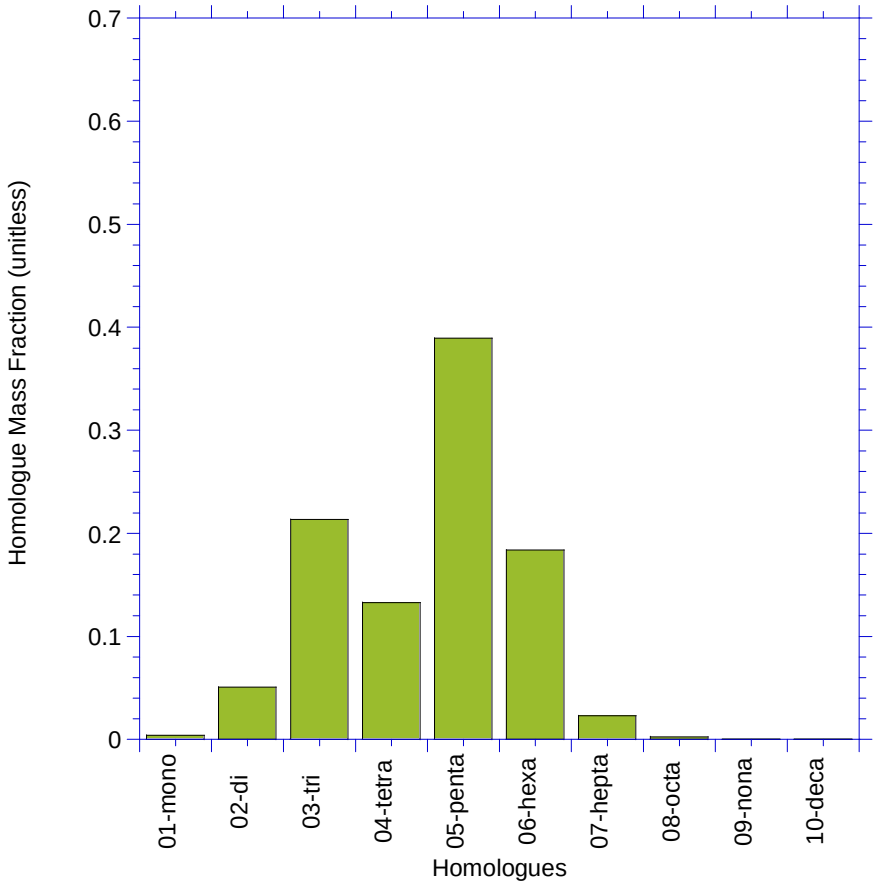
FIGURE 6-18b

DRAFT FINAL



LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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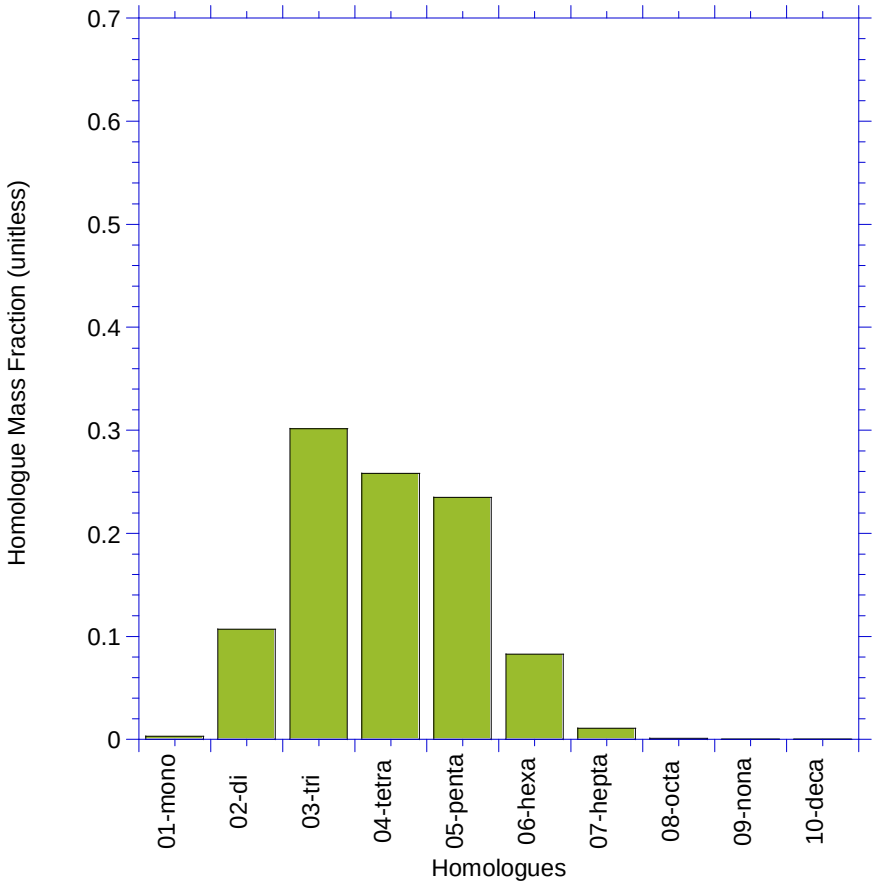
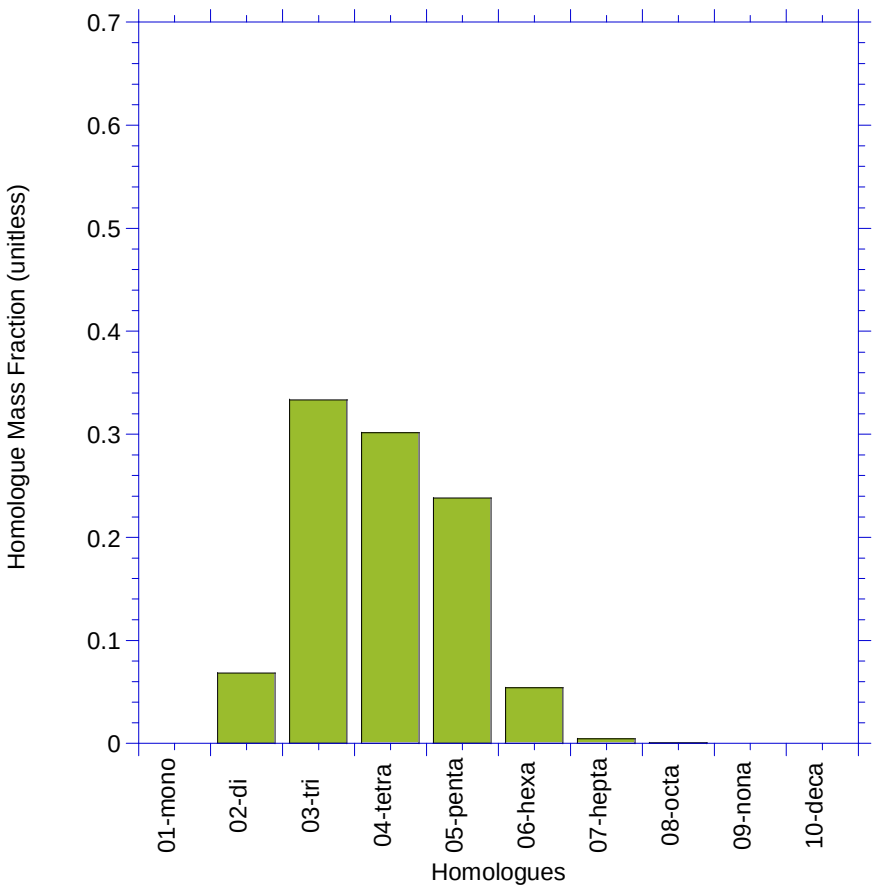
FIGURE 6-18c

DRAFT FINAL





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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FIGURE 6-18d

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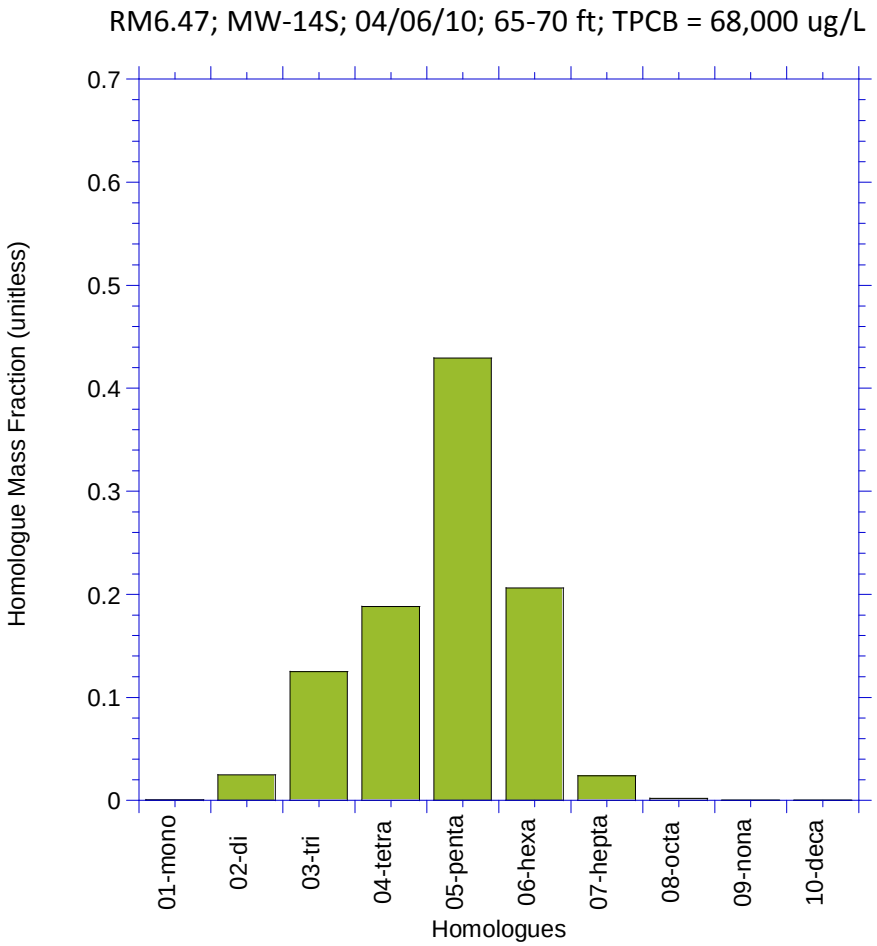

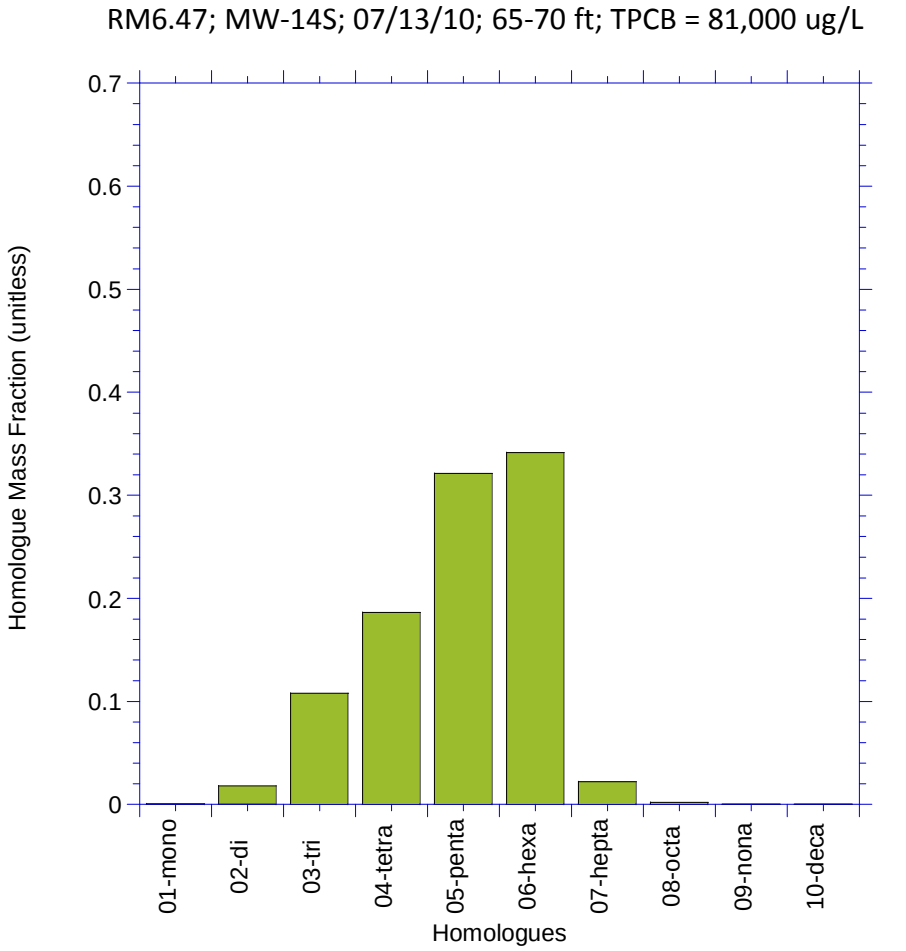

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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FIGURE 6-18e

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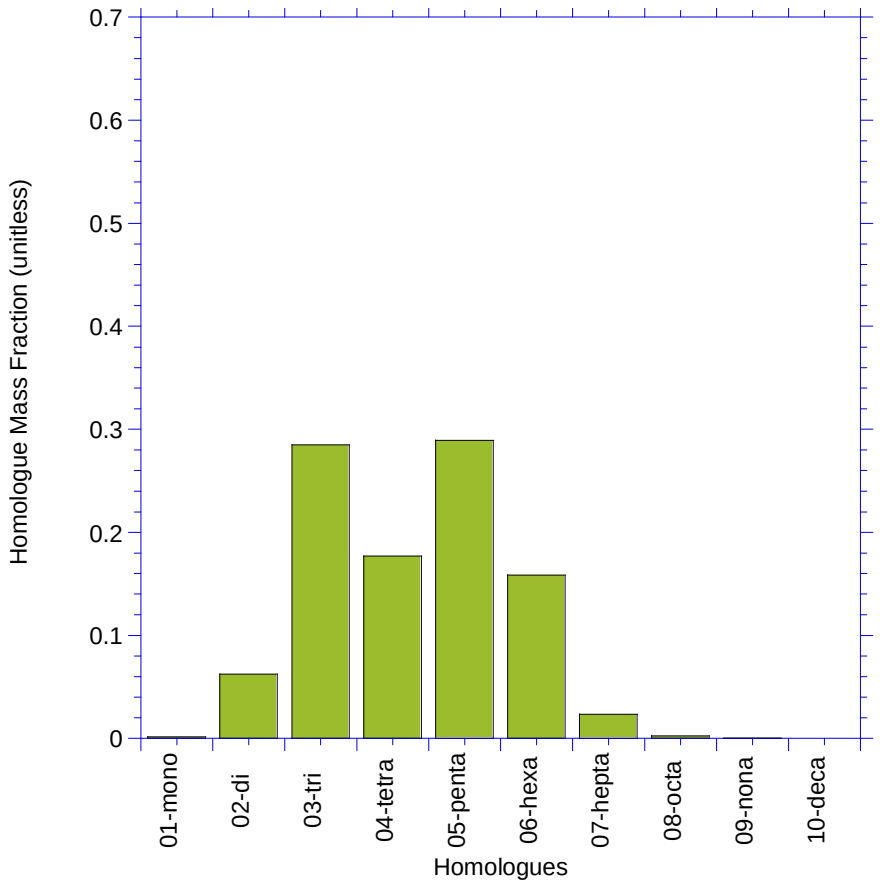

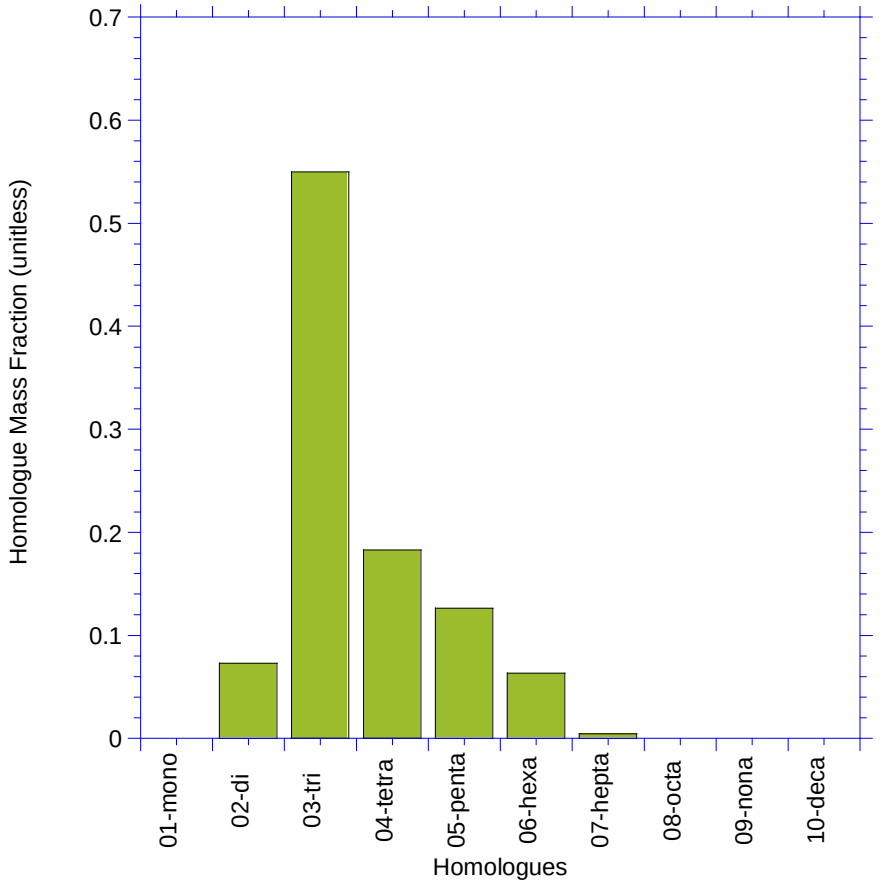

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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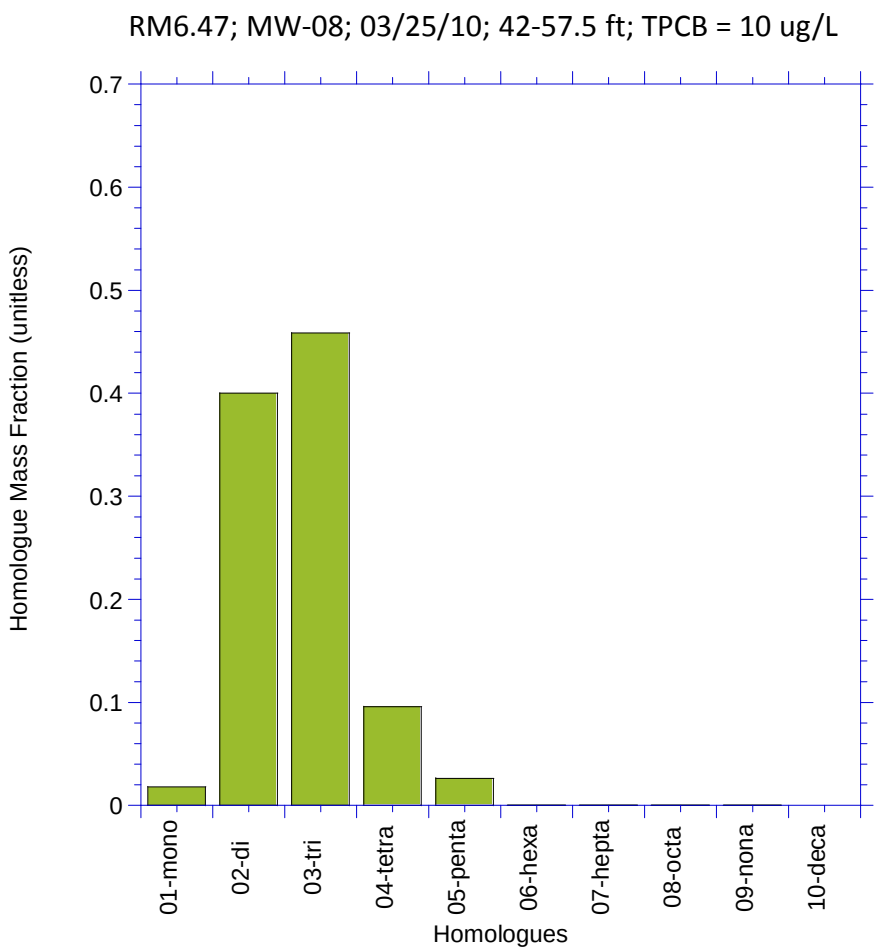
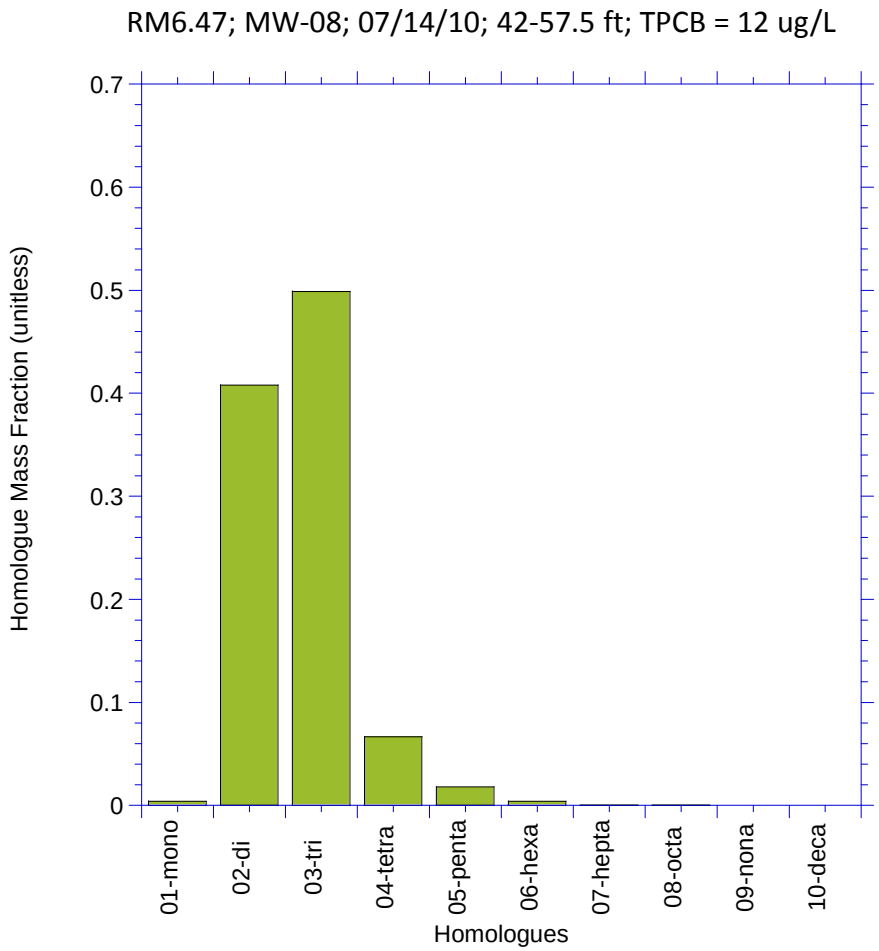
FIGURE 6-18f





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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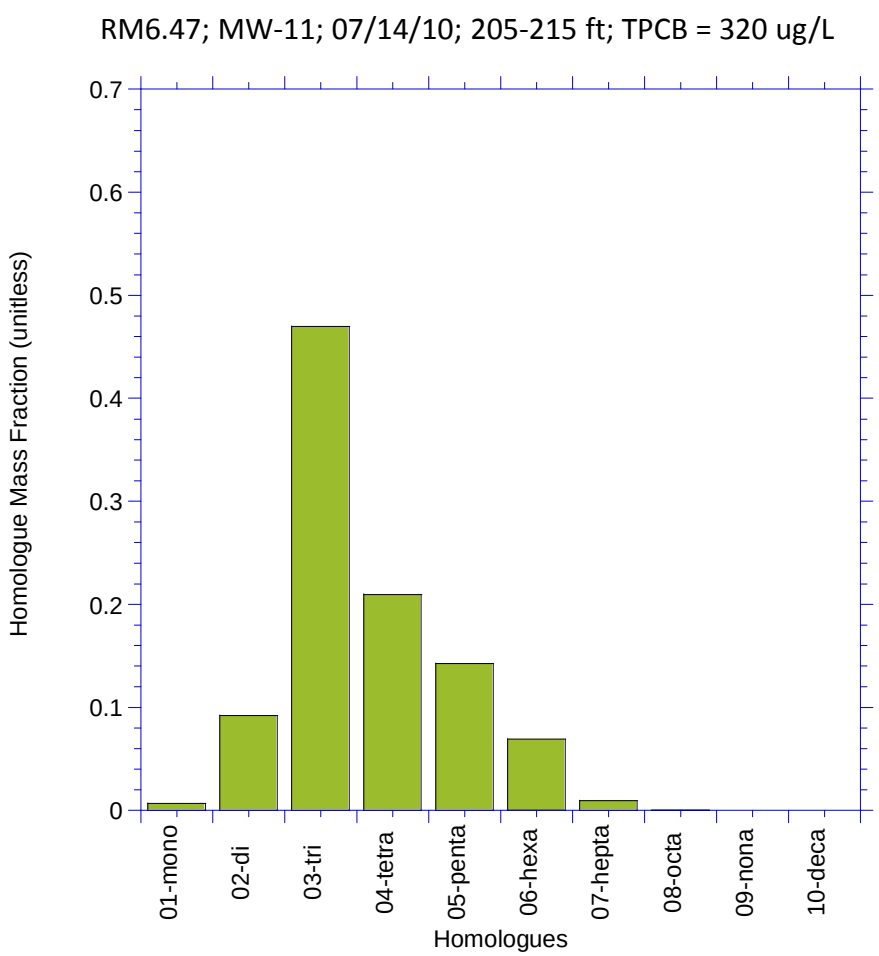
FIGURE 6-18g

DRAFT FINAL



LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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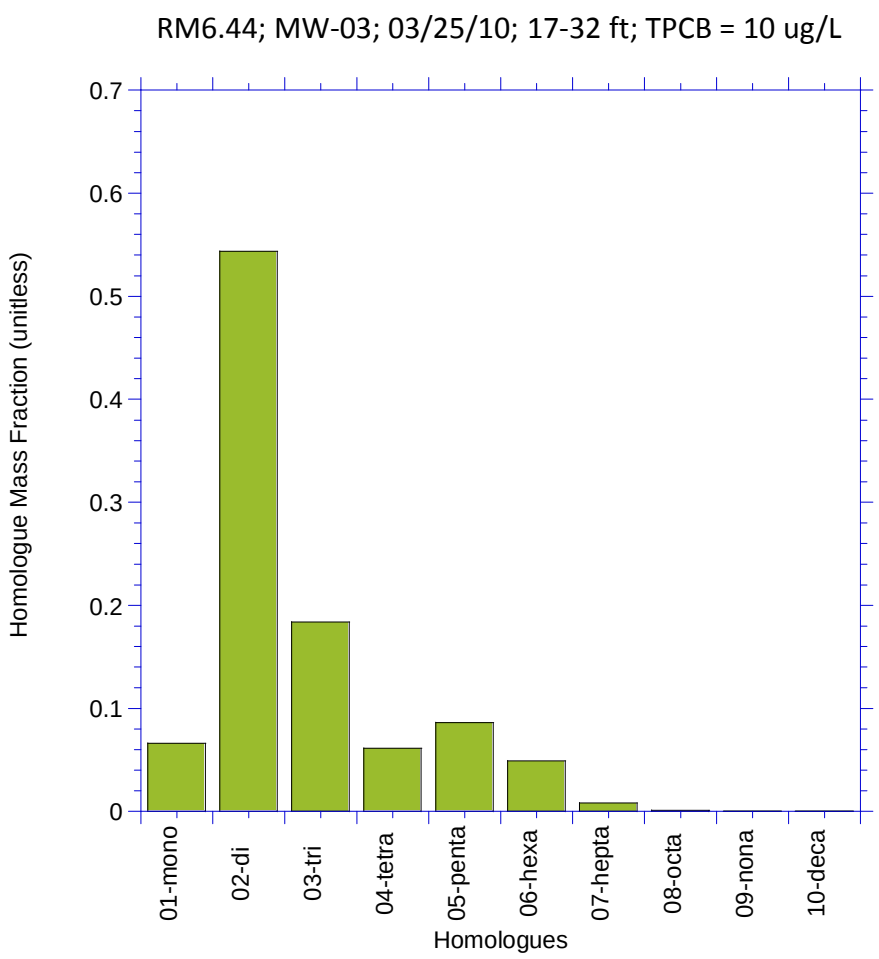
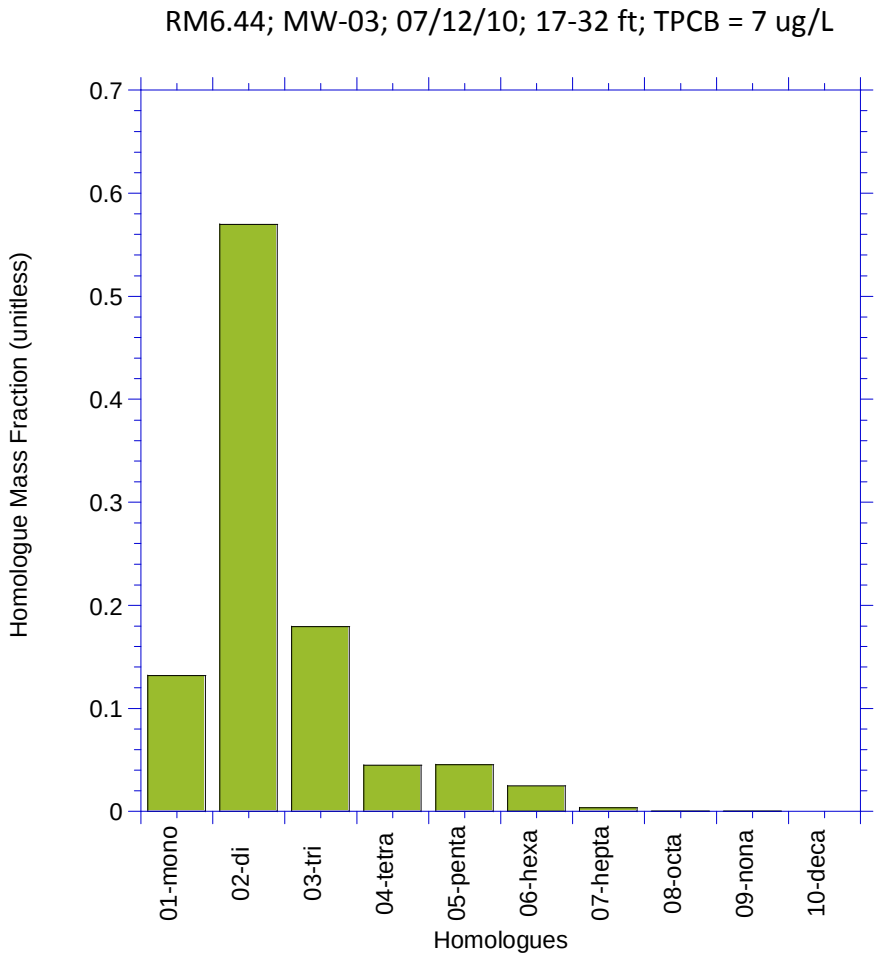
FIGURE 6-18h

DRAFT FINAL





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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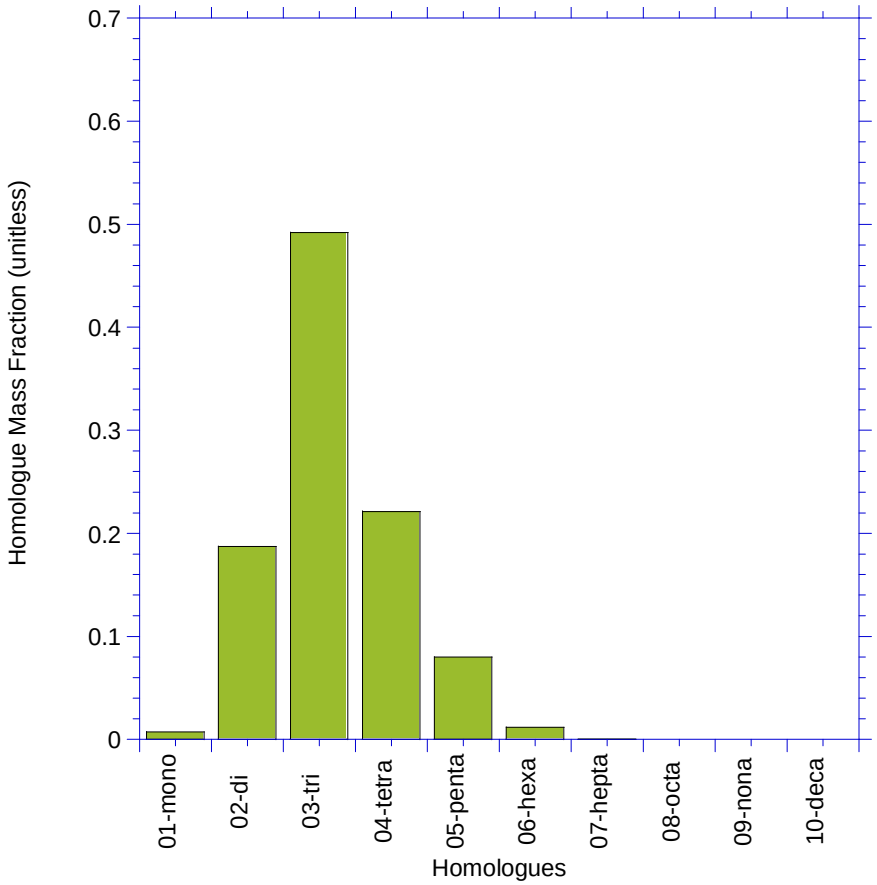
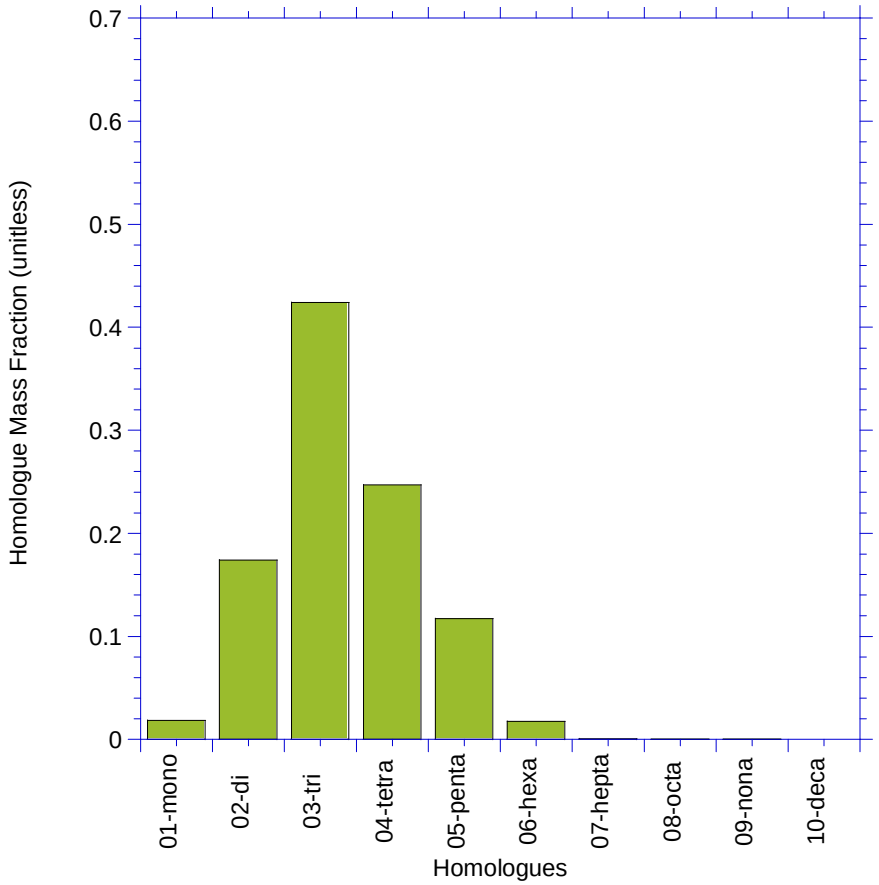
FIGURE 6-18i

DRAFT FINAL





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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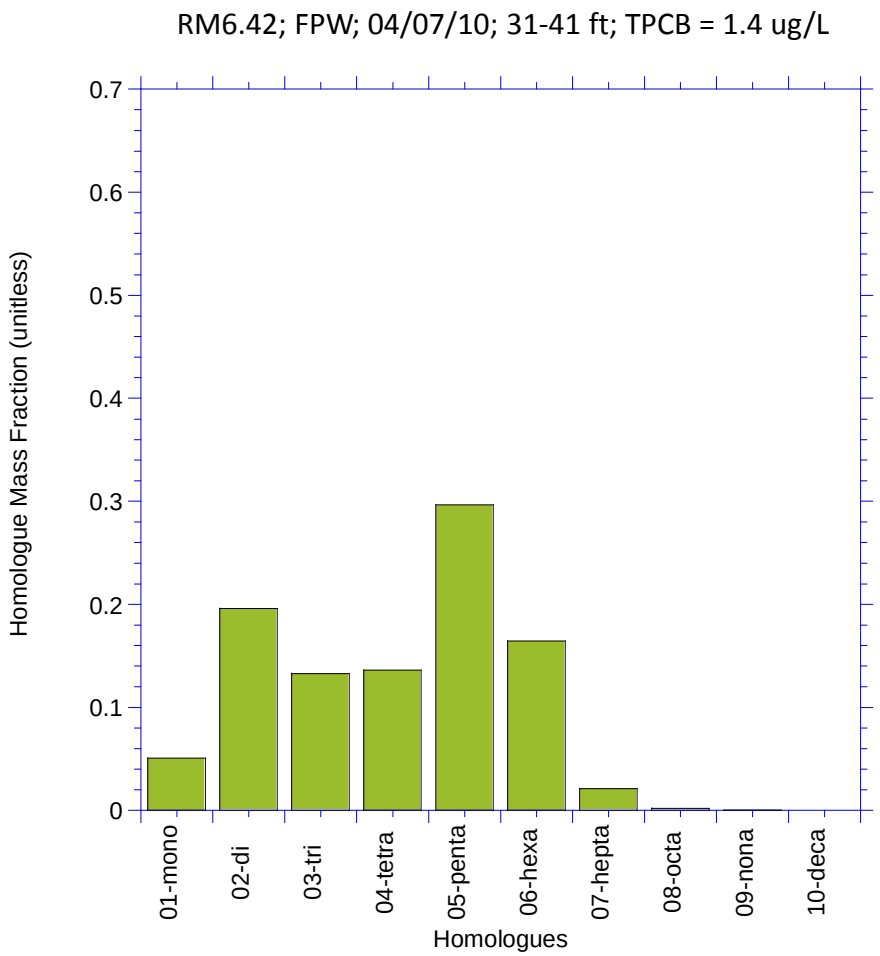
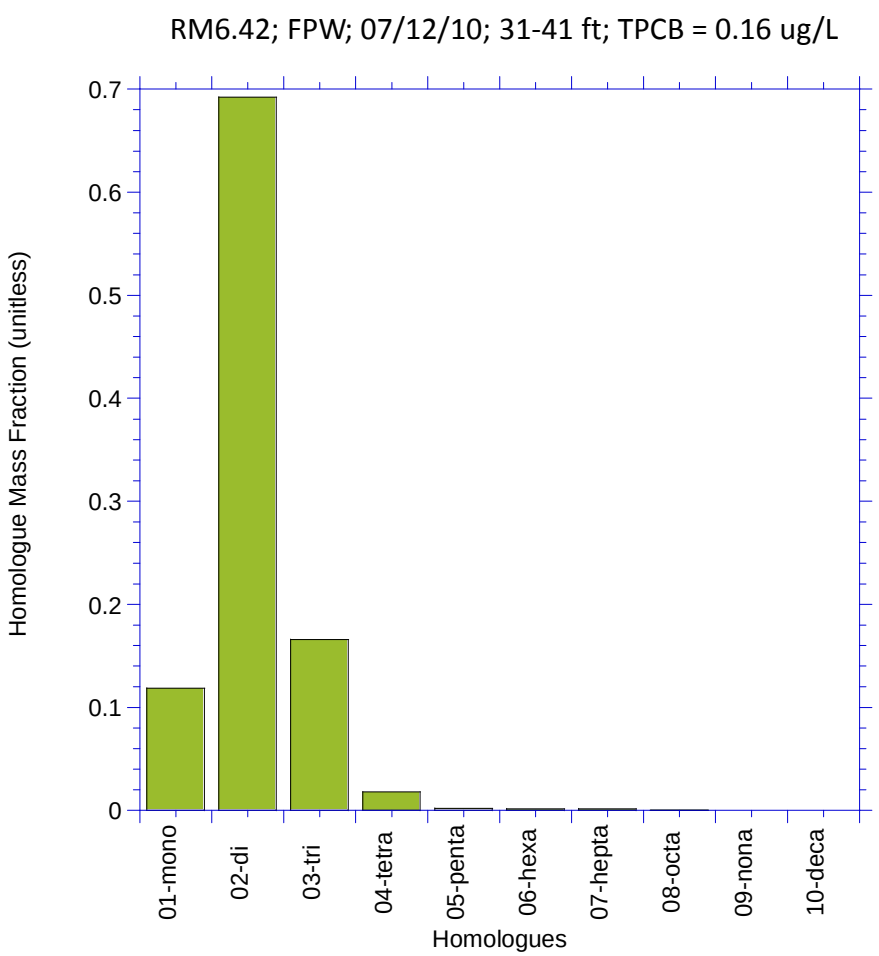
FIGURE 6-18j

DRAFT FINAL





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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FIGURE 6-18k

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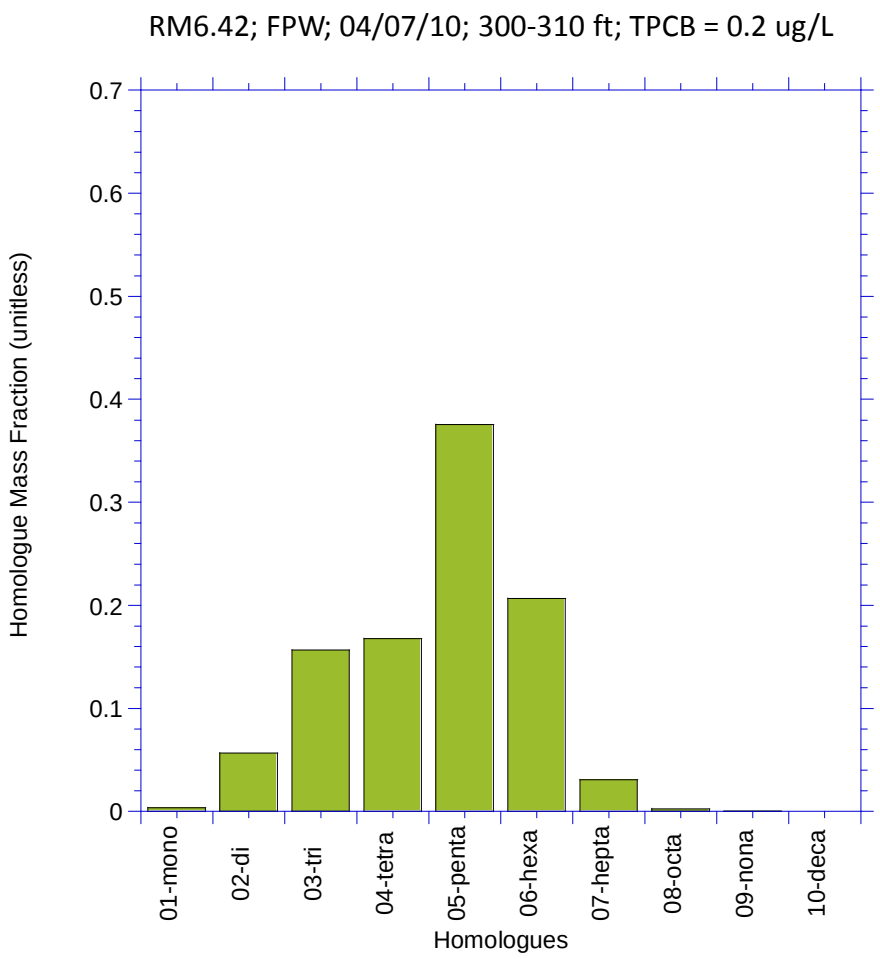

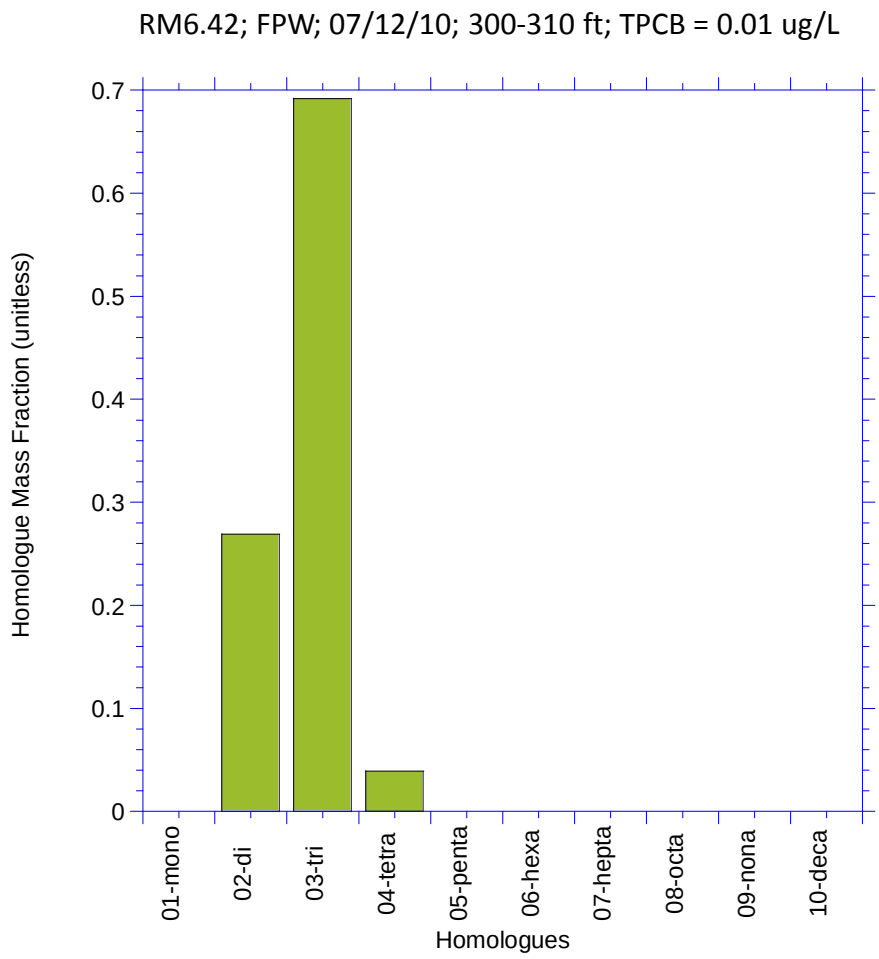

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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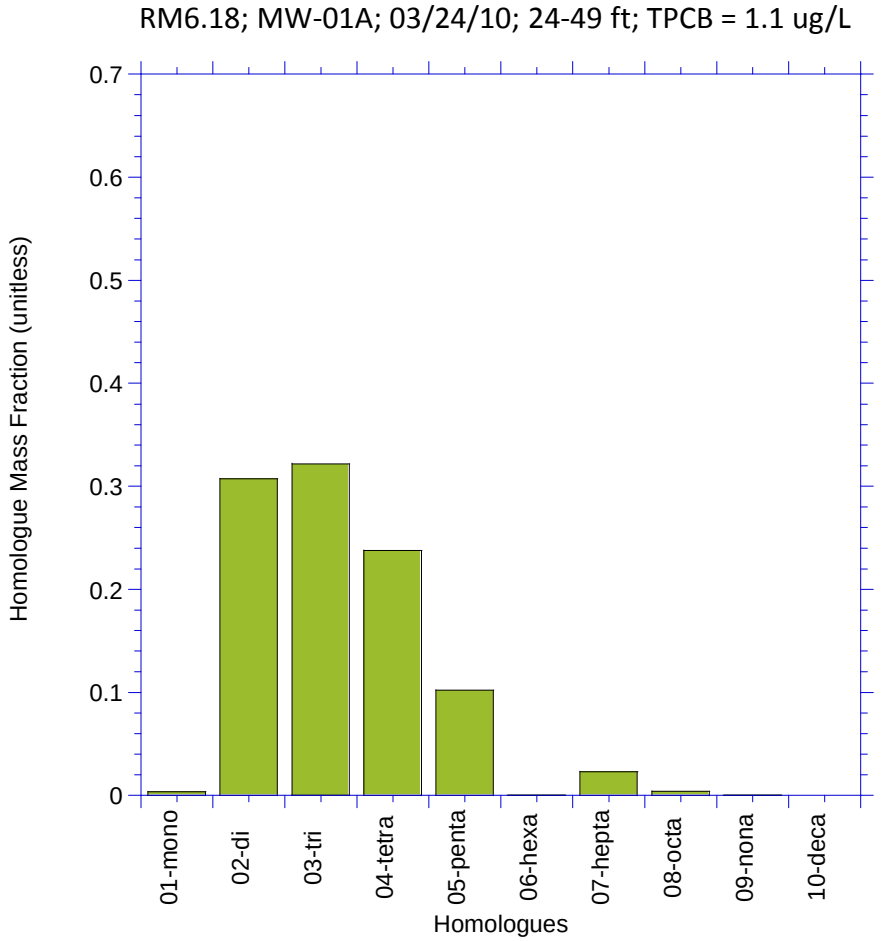
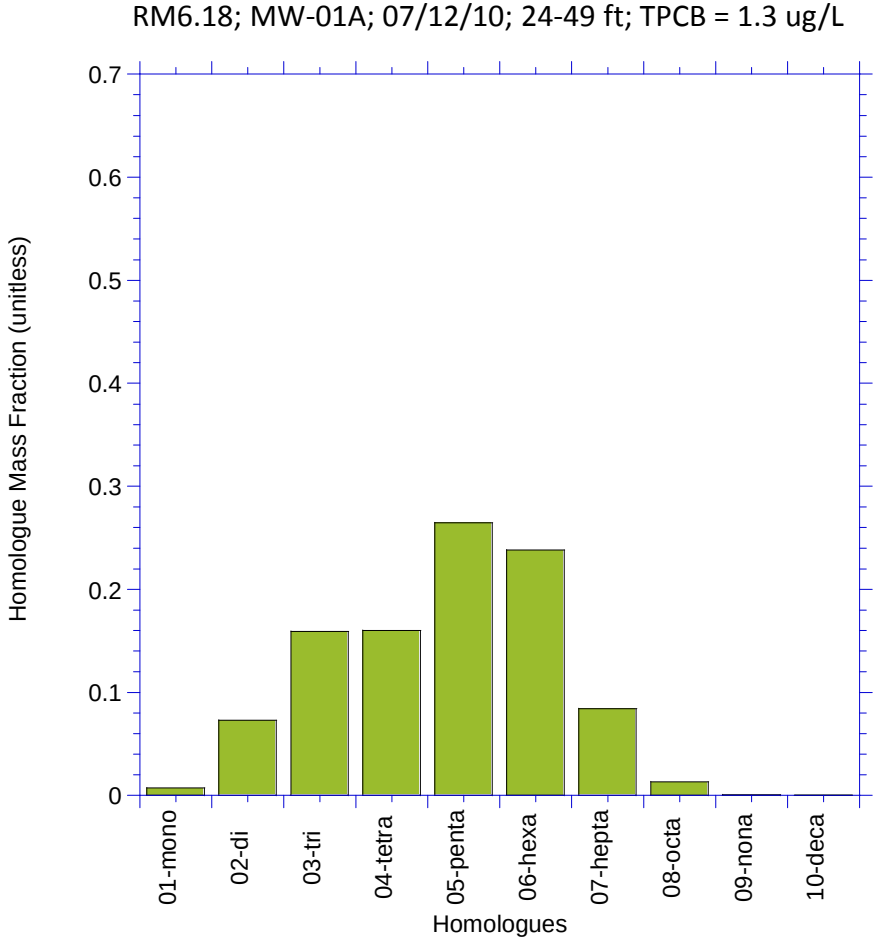
FIGURE 6-18l

DRAFT FINAL





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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FIGURE 6-18m

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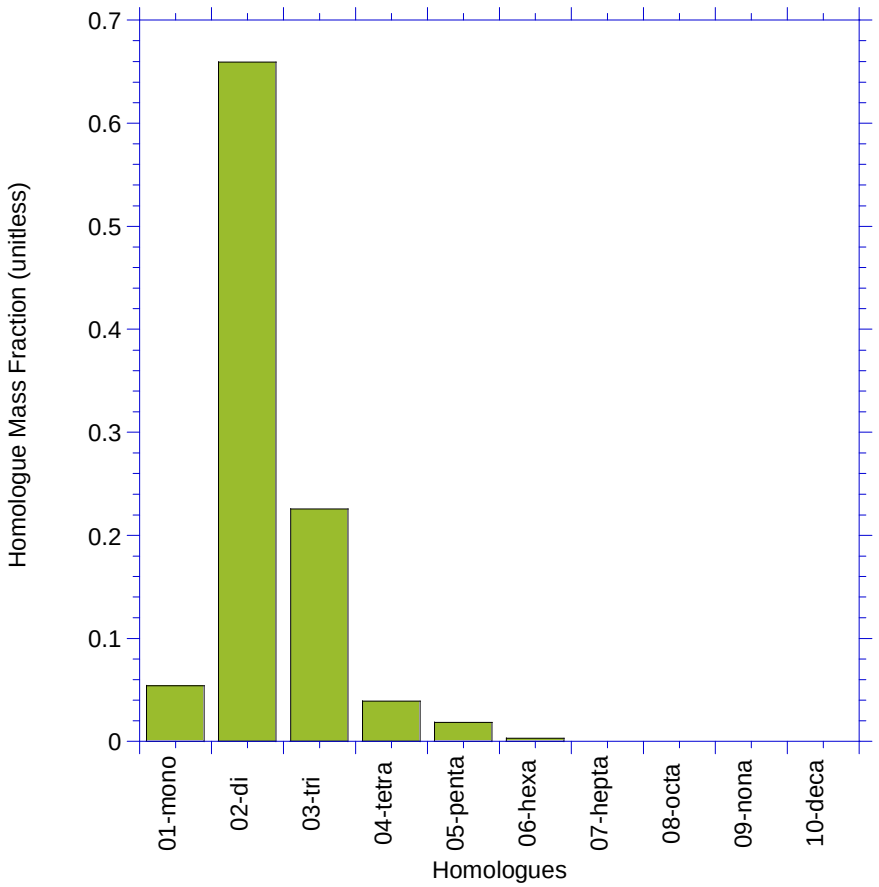

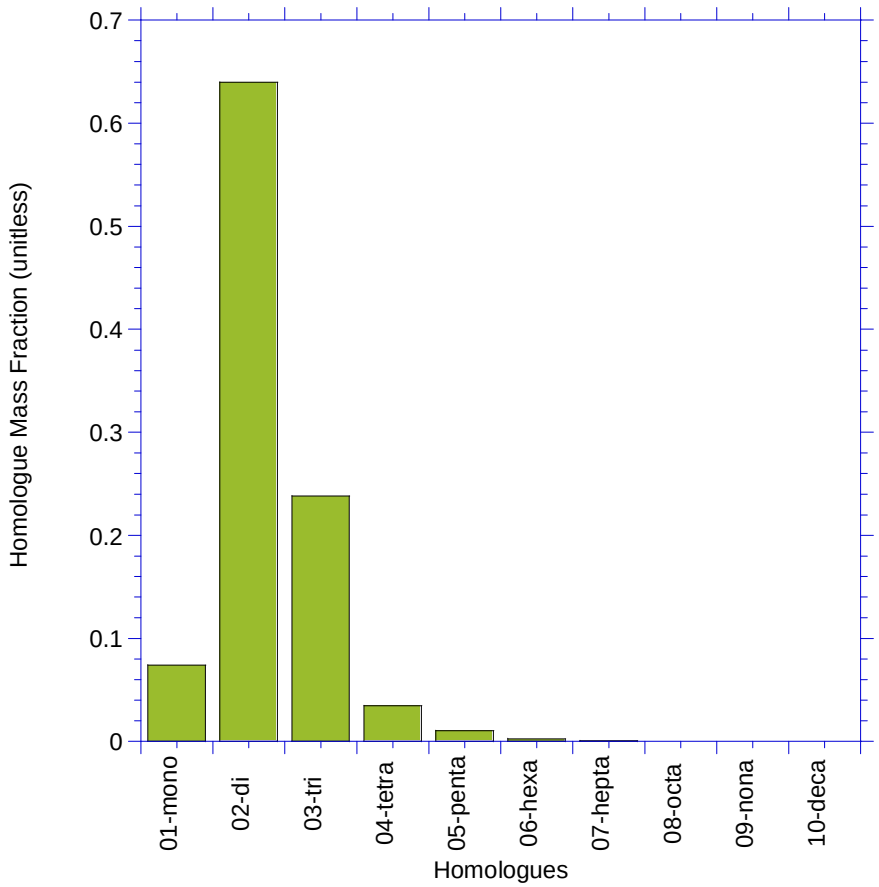

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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Groundwater PCB Homologue Patterns for Wells Located in the Former CDE Site

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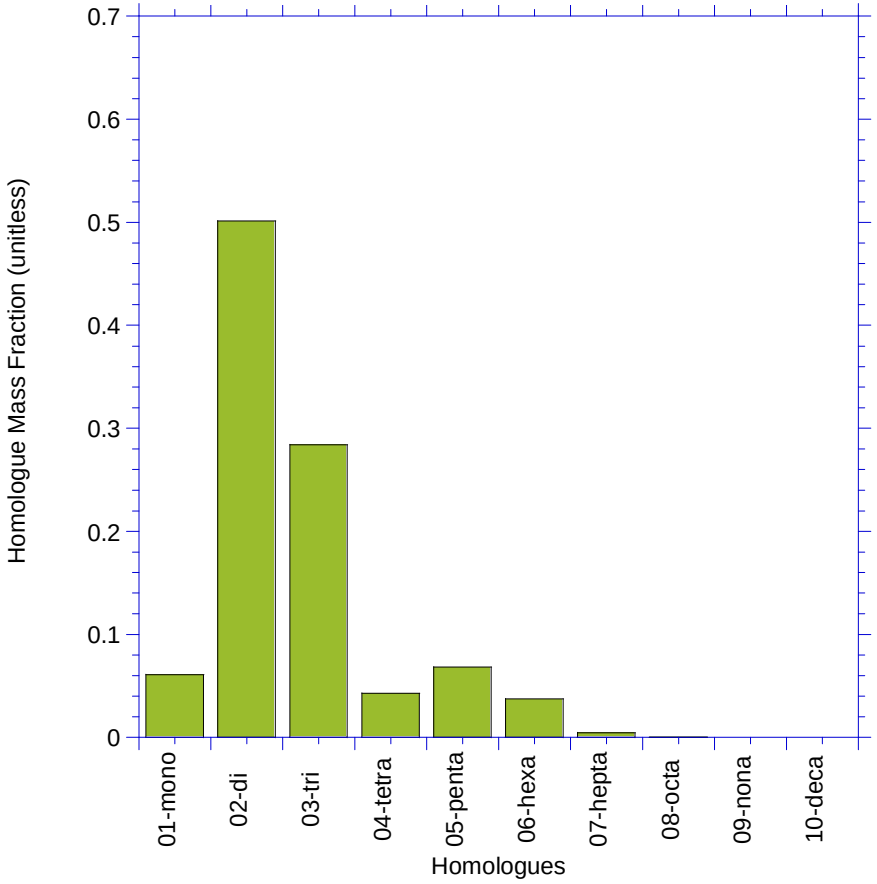
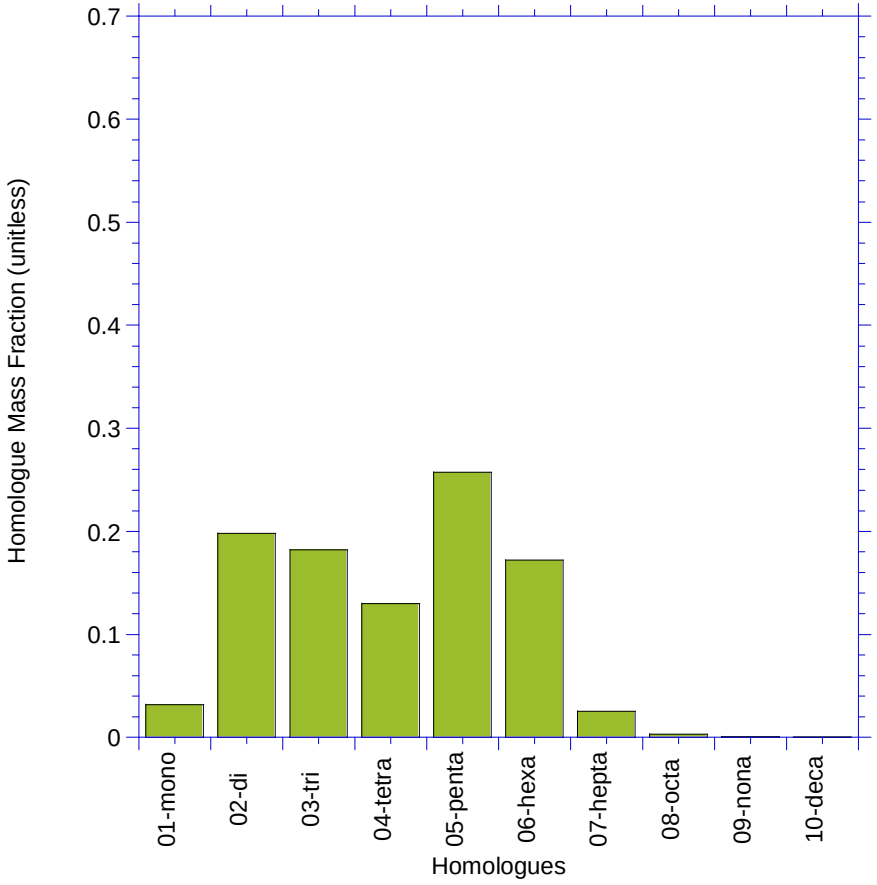
FIGURE 6-18n

DRAFT FINAL





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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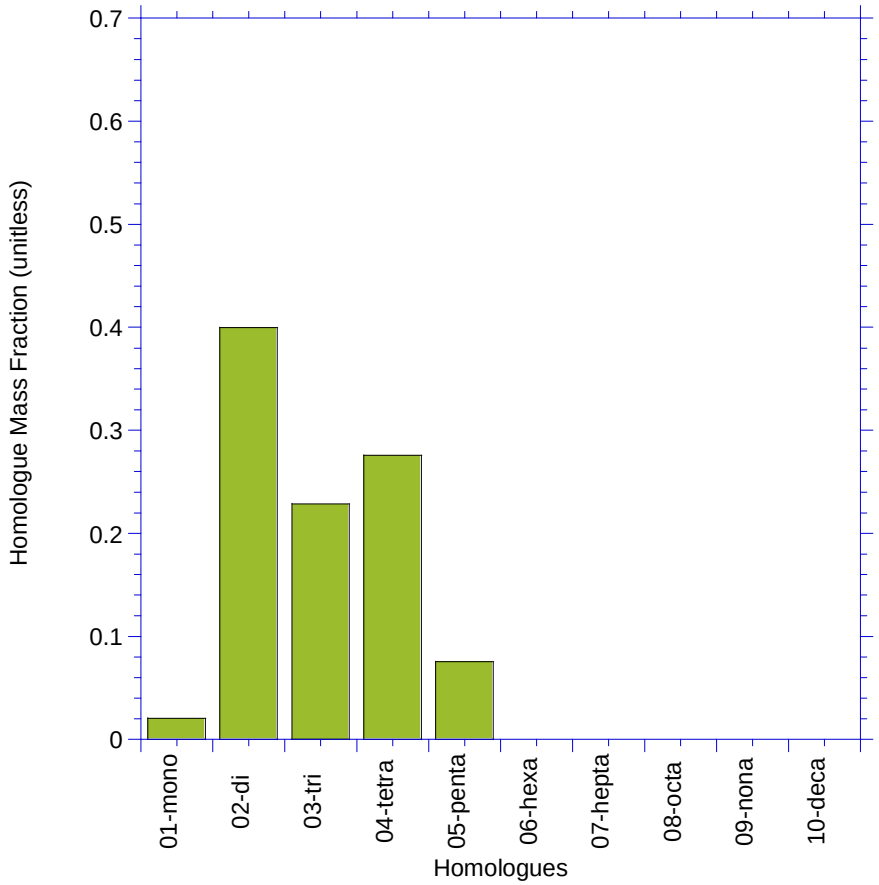
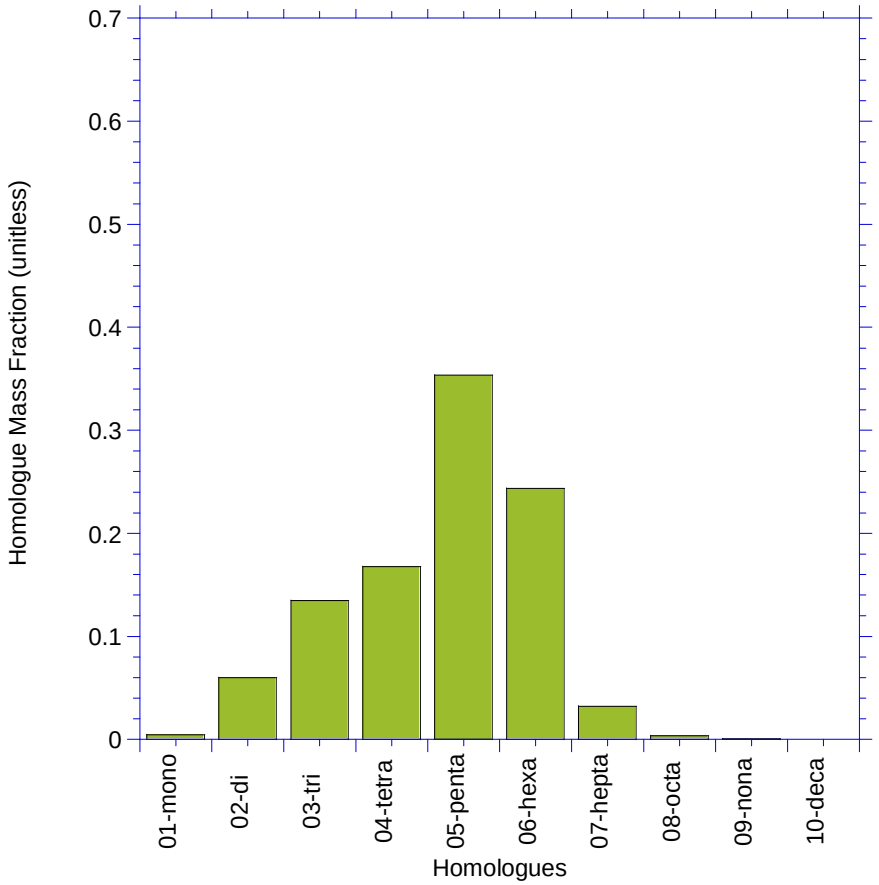
FIGURE 6-18o





LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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Groundwater PCB Homologue Patterns for Wells Outside the Former CDE Site

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FIGURE 6-18p

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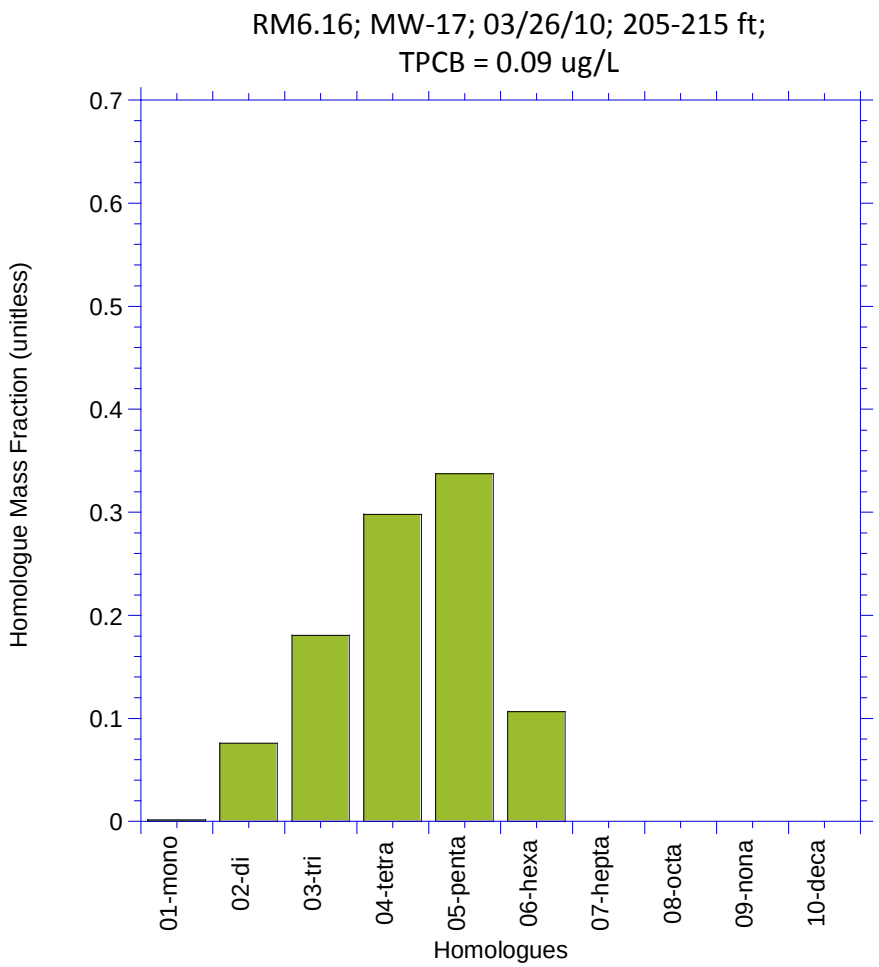

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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Groundwater PCB Homologue Patterns for Wells Outside the Former CDE Site

Bound Brook OU3 RI/FS

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FIGURE 6-18q

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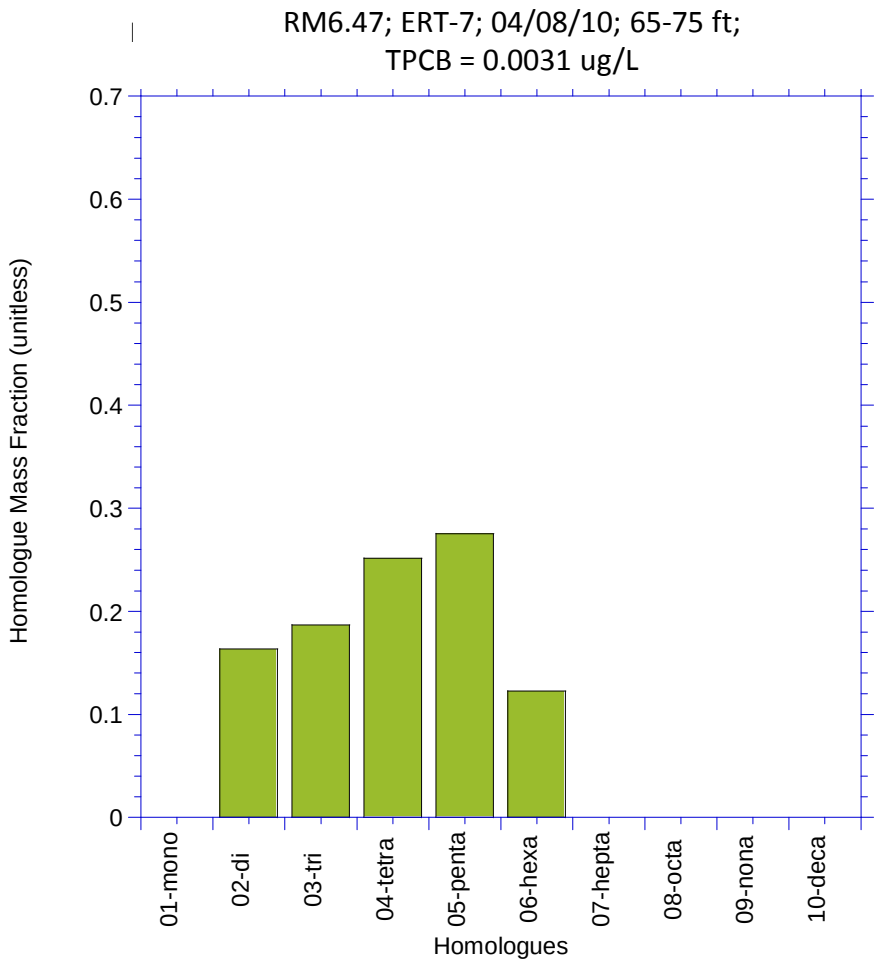

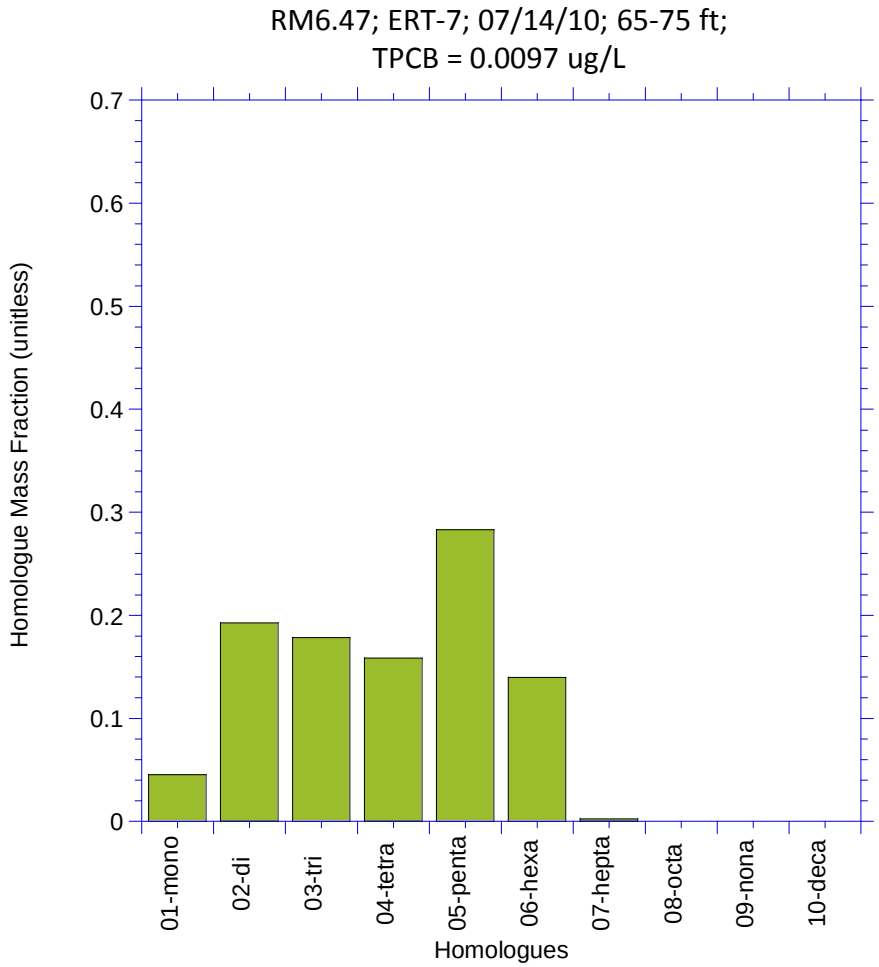

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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Groundwater PCB Homologue Patterns for Wells Outside the Former CDE Site

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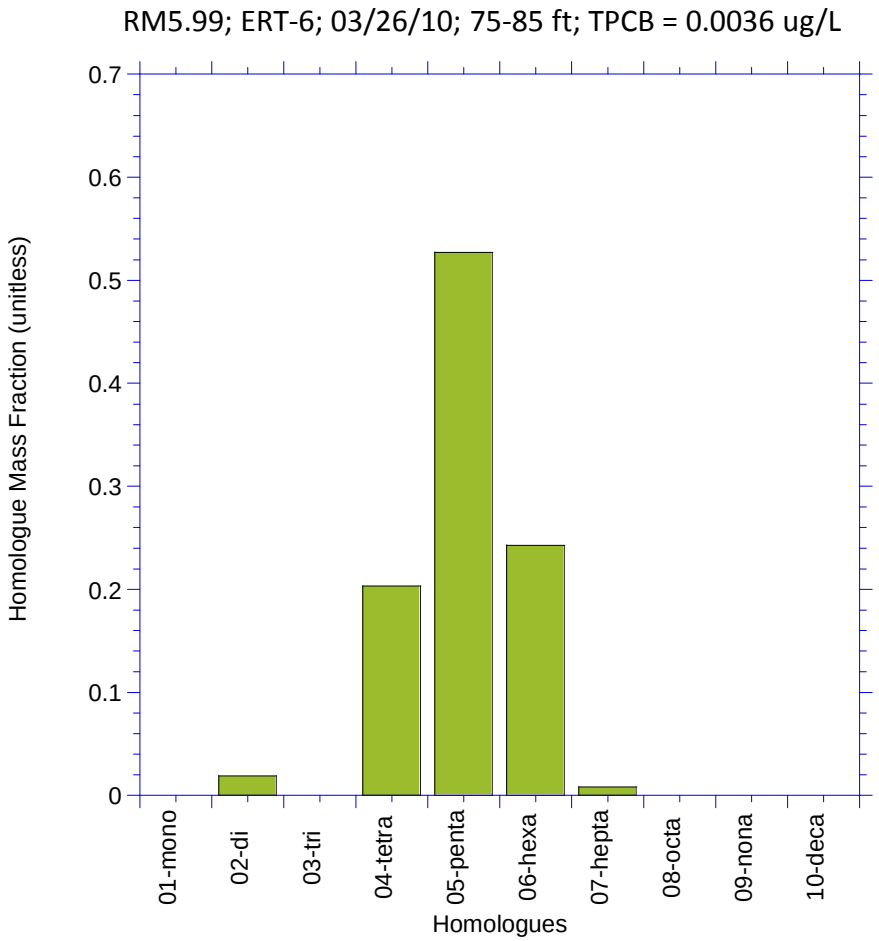
FIGURE 6-18r



LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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FIGURE 6-18s

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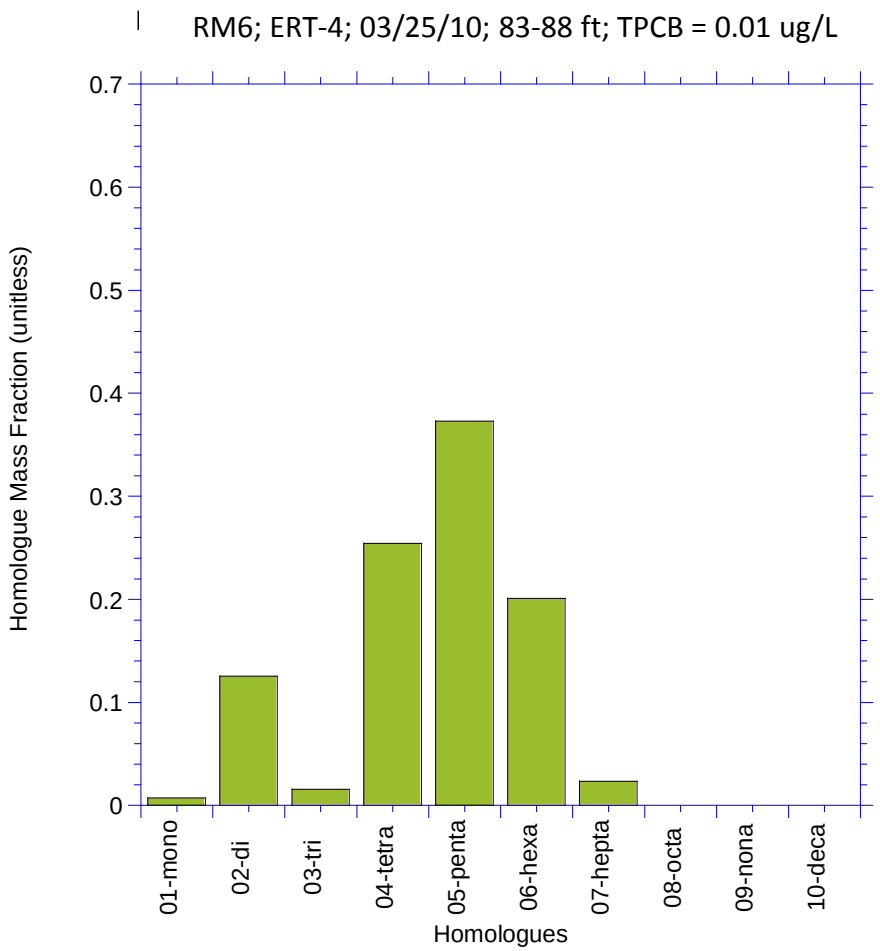

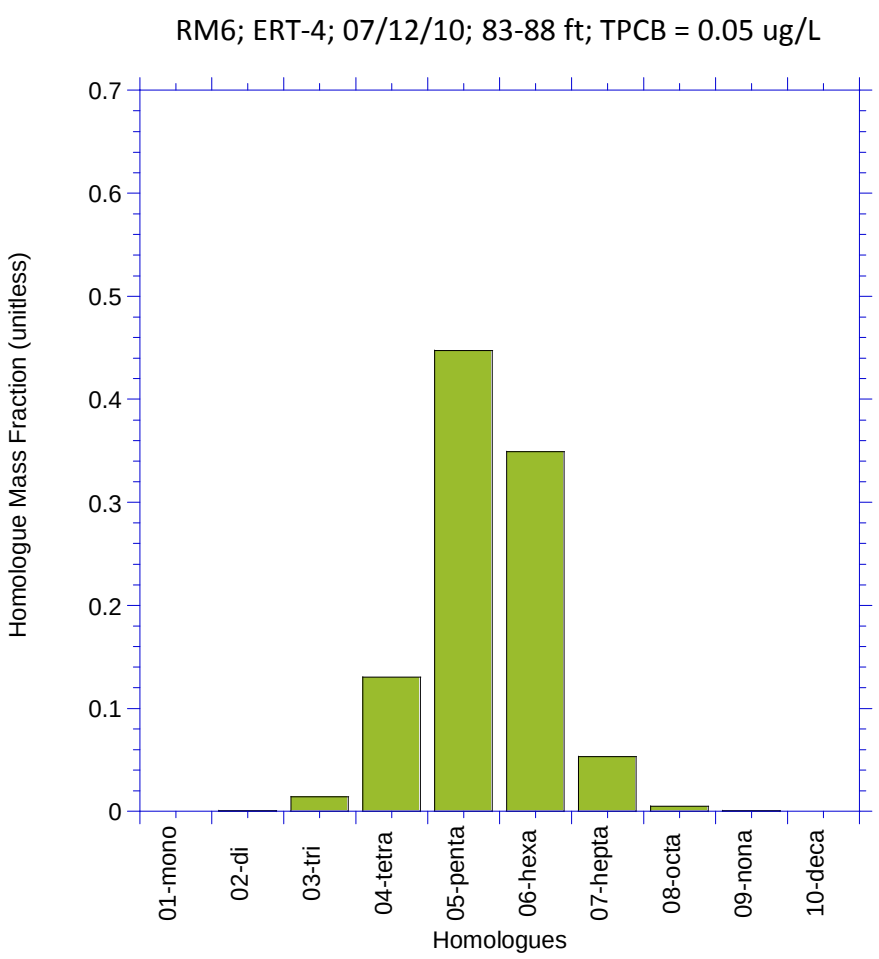

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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Groundwater PCB Homologue Patterns for Wells Outside the Former CDE Site

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FIGURE 6-18t

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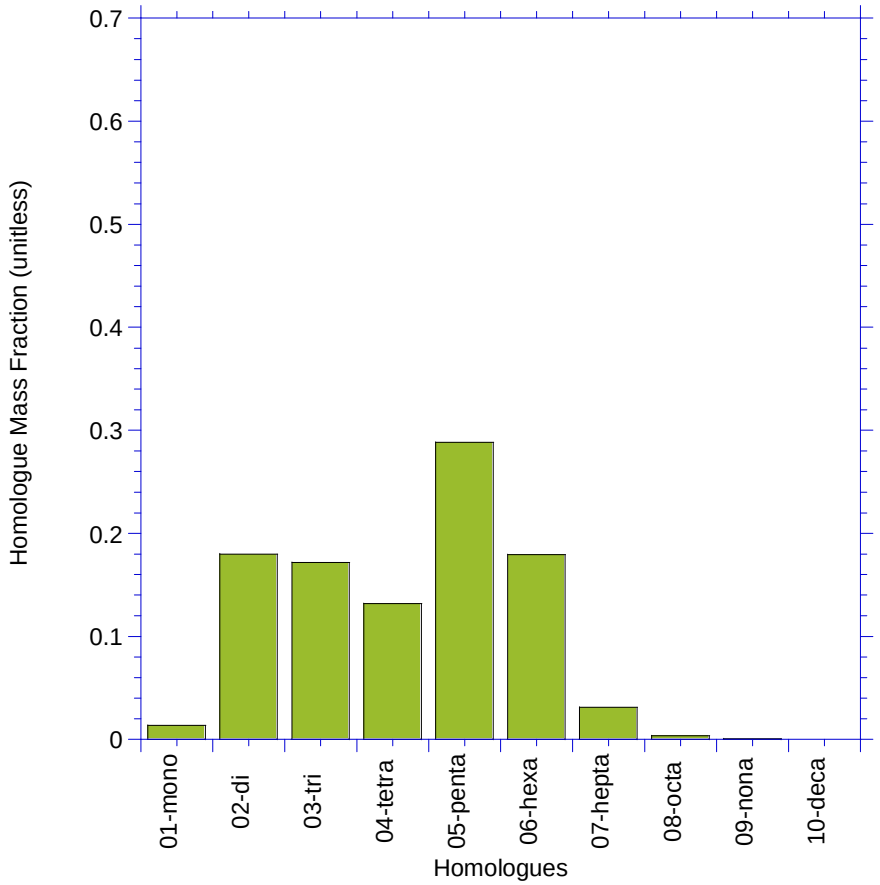

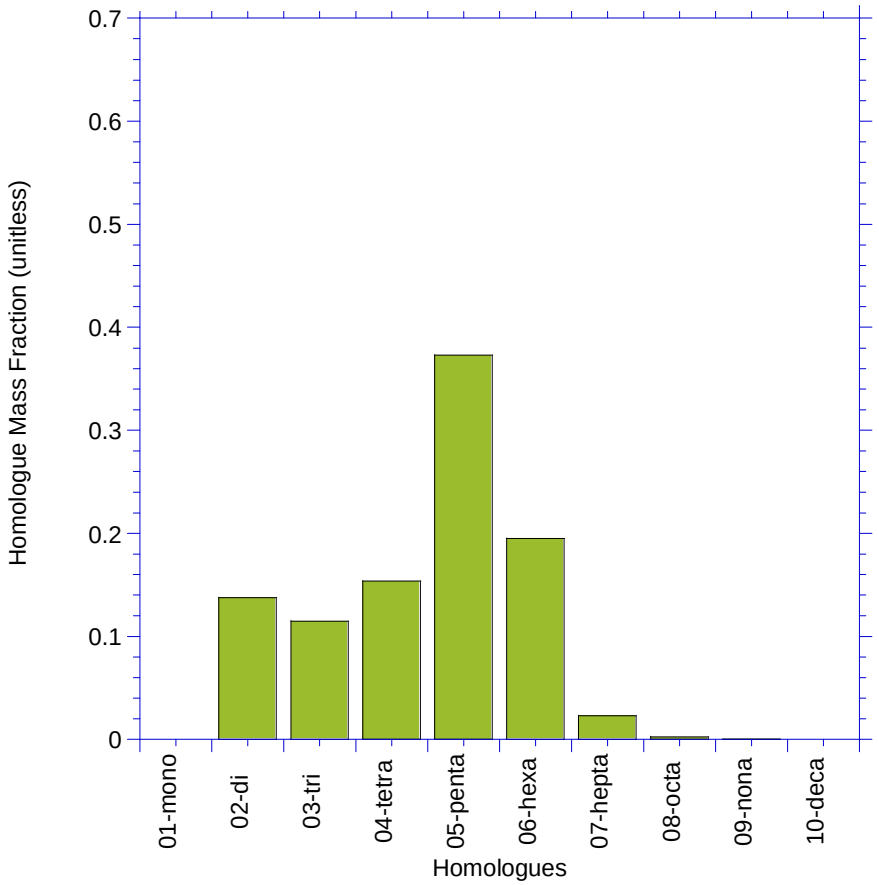

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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Groundwater PCB Homologue Patterns for Wells Outside the Former CDE Site

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FIGURE 6-18u

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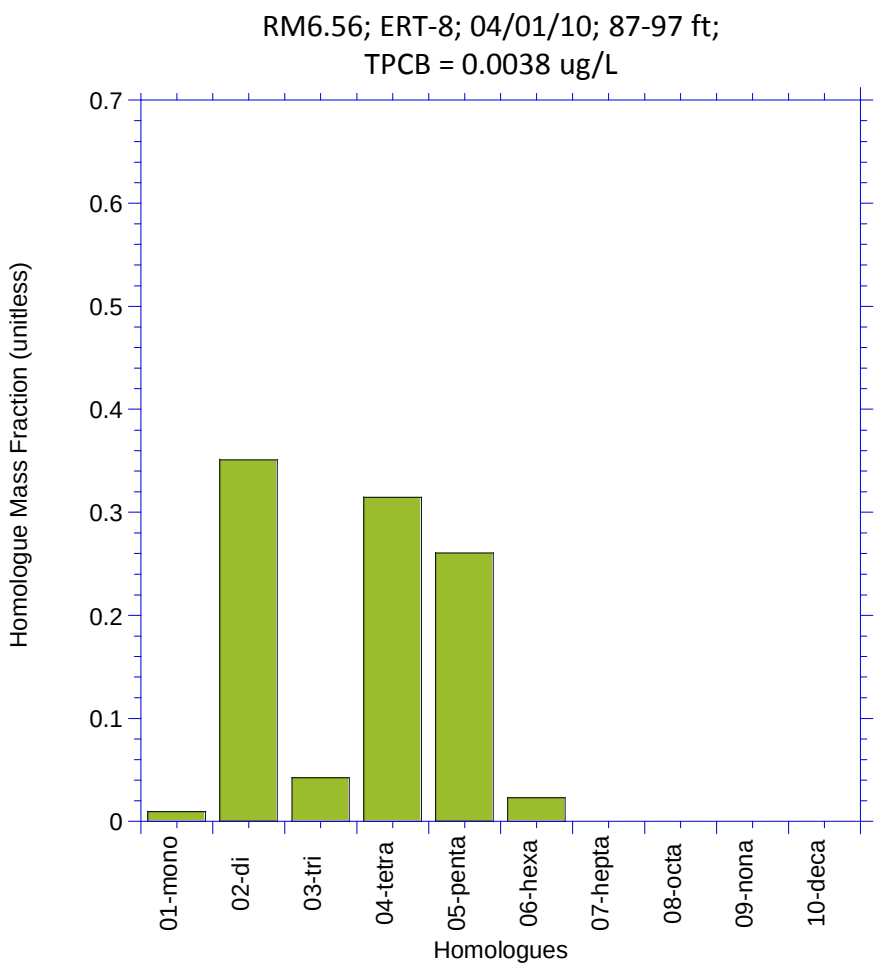

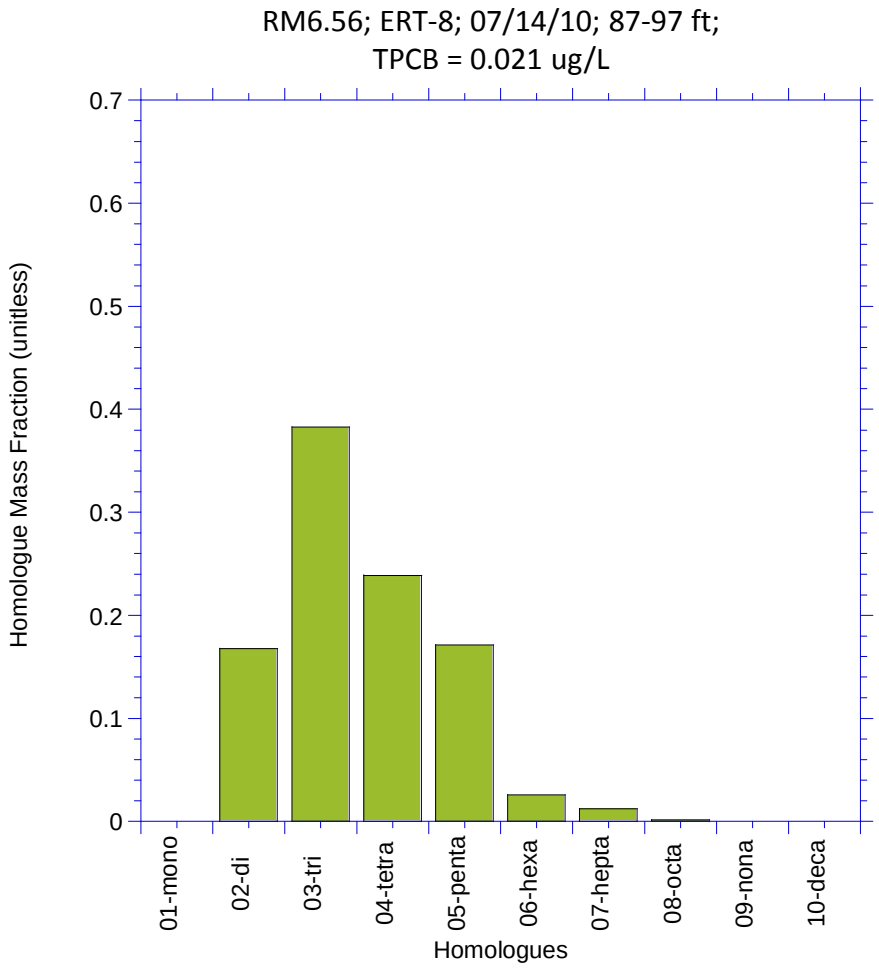

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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Groundwater PCB Homologue Patterns for Wells Outside the Former CDE Site

Bound Brook OU3 RI/FS

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FIGURE 6-18v

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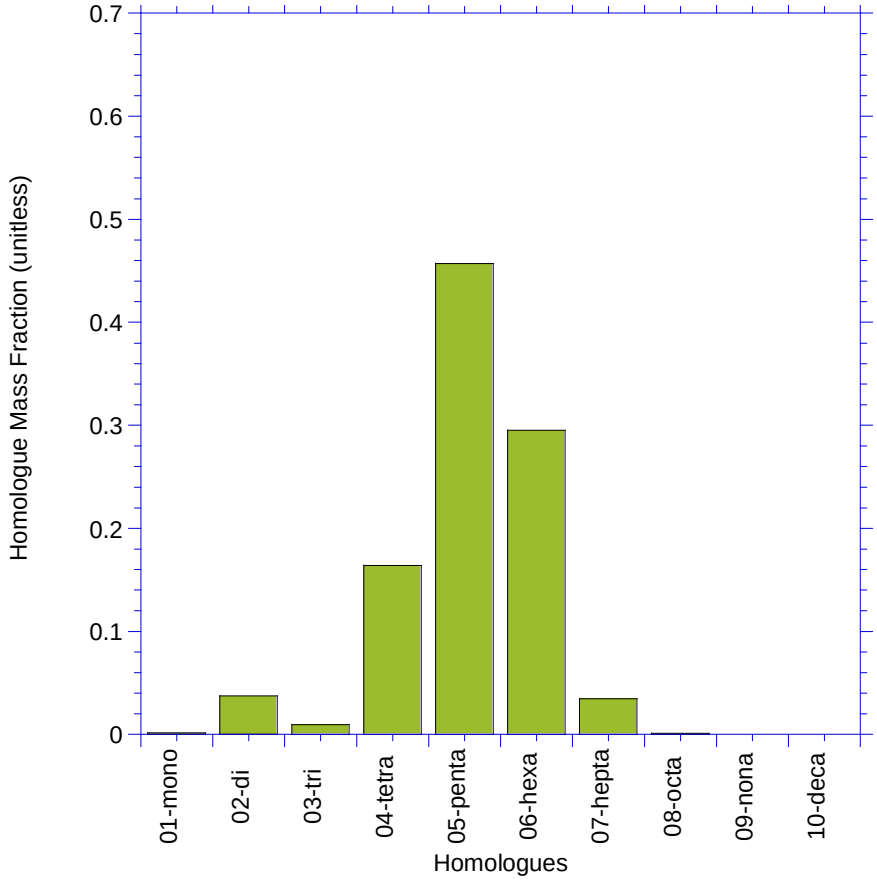

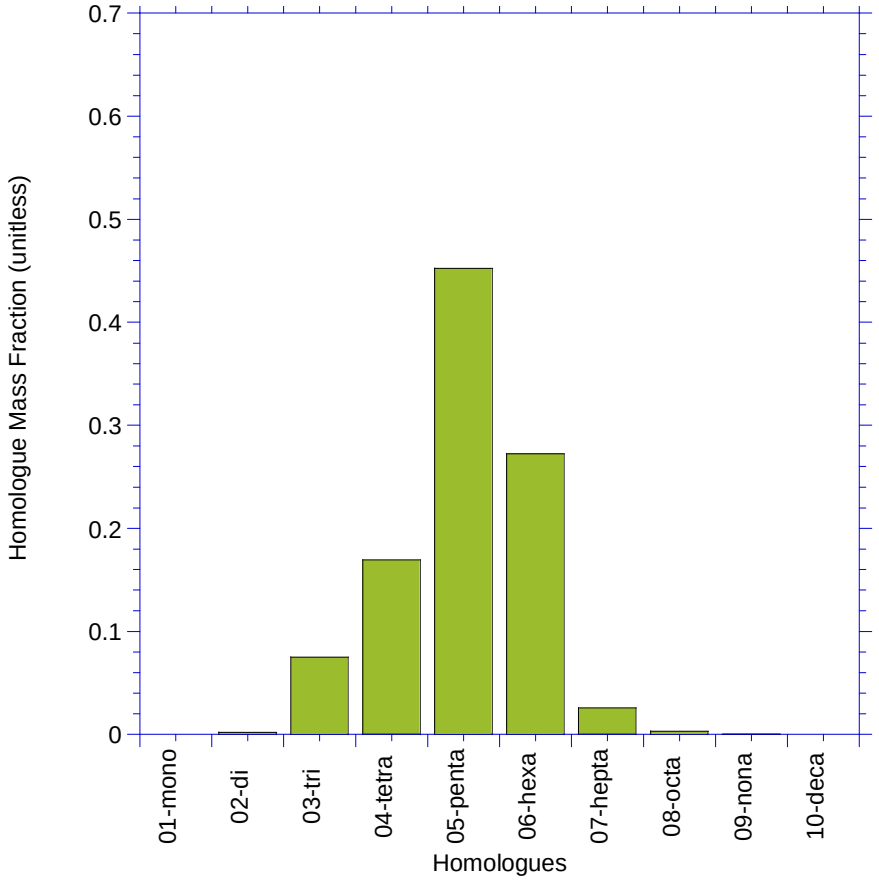

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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Groundwater PCB Homologue Patterns for Wells Located in Spring Lake Area

Bound Brook OU3 RI/FS

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FIGURE 6-18w

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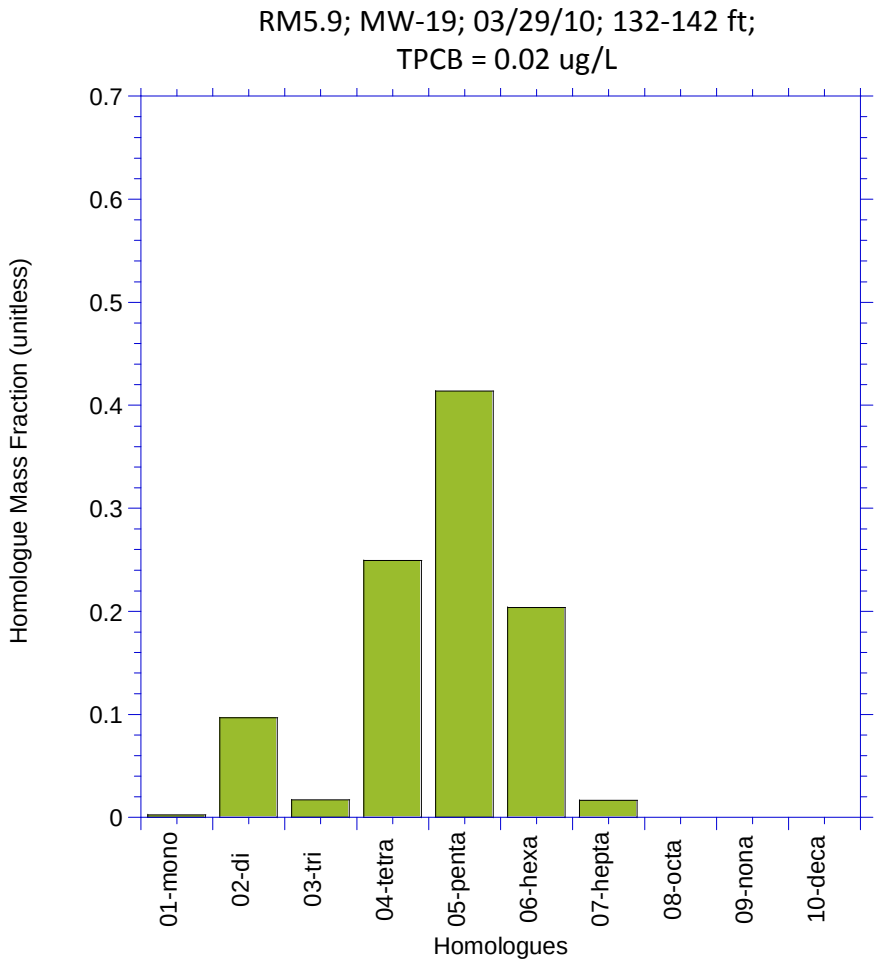

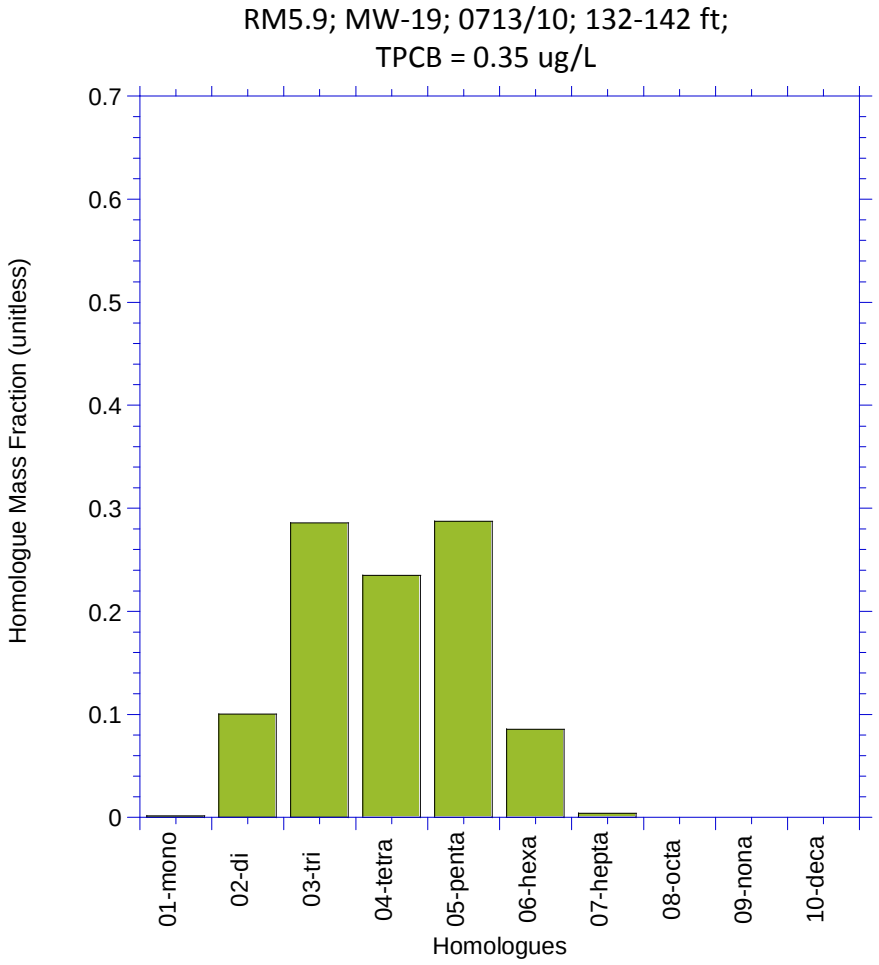

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

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Superfund Site
South Plainfield, NJ

Groundwater PCB Homologue Patterns for Wells Located in Spring Lake Area

Bound Brook OU3 RI/FS

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FIGURE 6-18x

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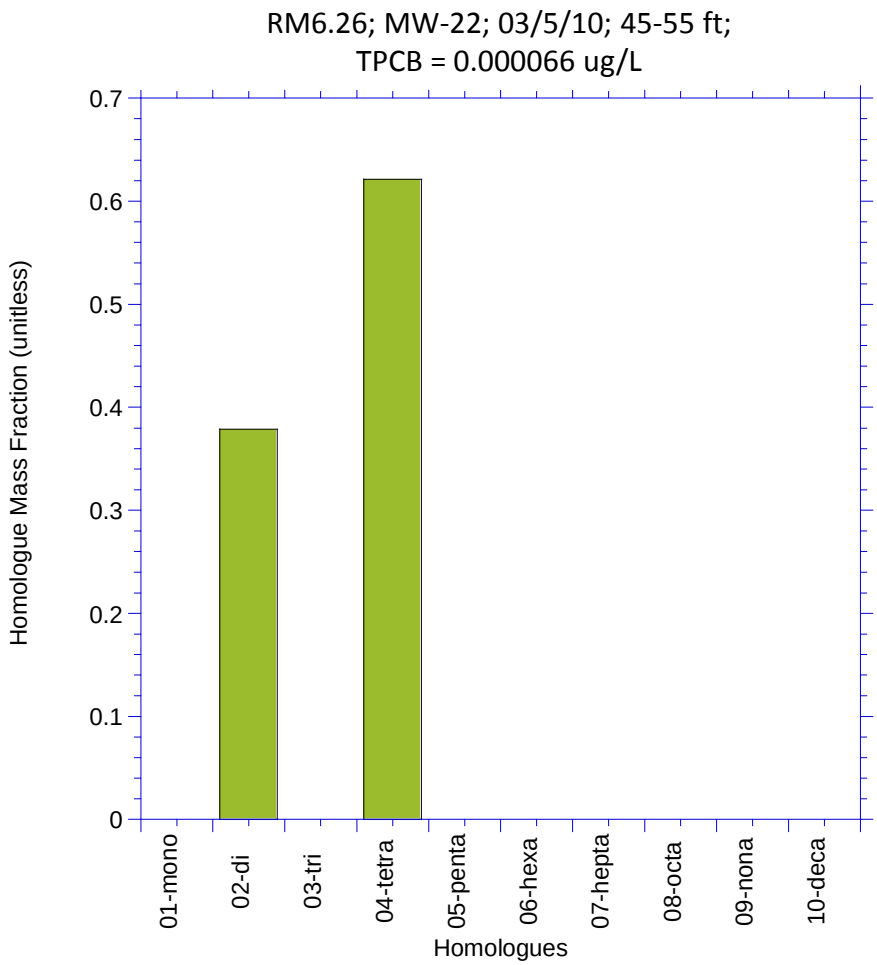

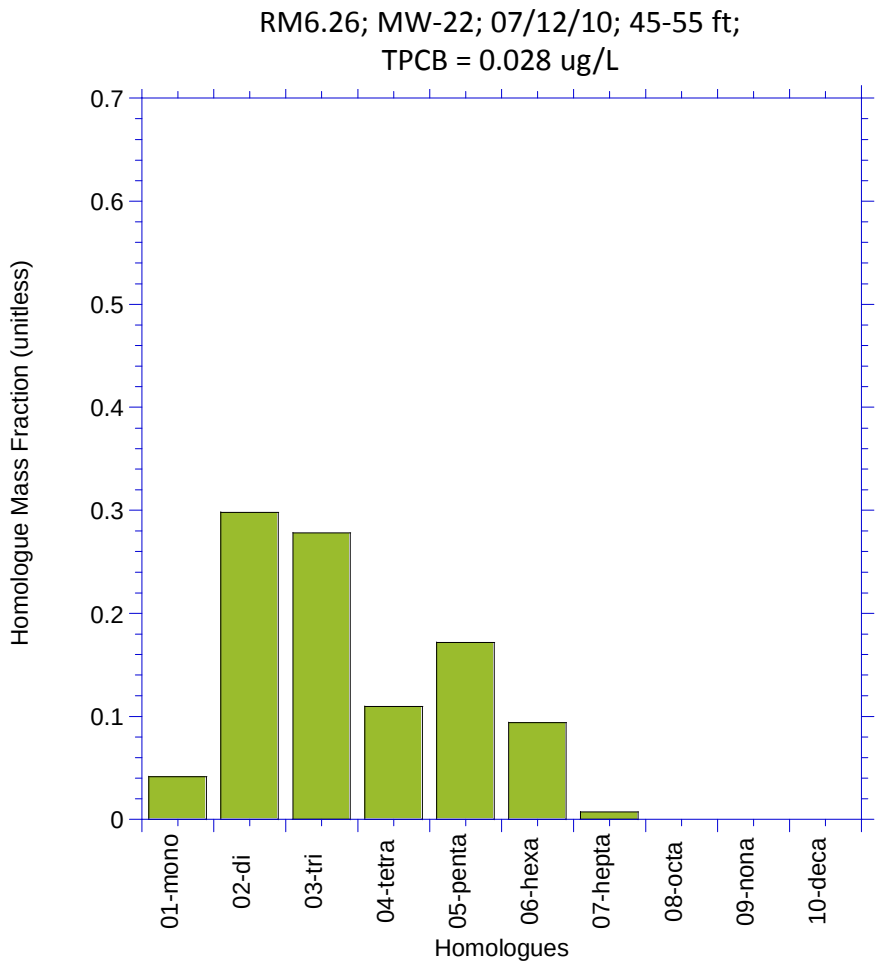

LEGEND:

Homologue mass fraction in groundwater sample

Sample Label on top of graphic "RM6.56; ERT-1; 04/08/10; 46-56 ft; TPCB = 0.0033 ug/L" Indicates River Mile; Well Name; Sample collection date; depth of screen; Total PCB concentration.

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Total PCB concentration was rounded to 2 or 3 significant digits.
3. Nondetected concentrations were included as zero.
4. For samples with field duplicates, the average concentration is presented.
5. Data Source: 2010 OU3 Groundwater RI data

Cornell-Dubilier Electronics
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South Plainfield, NJ

Groundwater PCB Homologue Patterns for Offsite Wells

Bound Brook OU3 RI/FS

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FIGURE 6-18y

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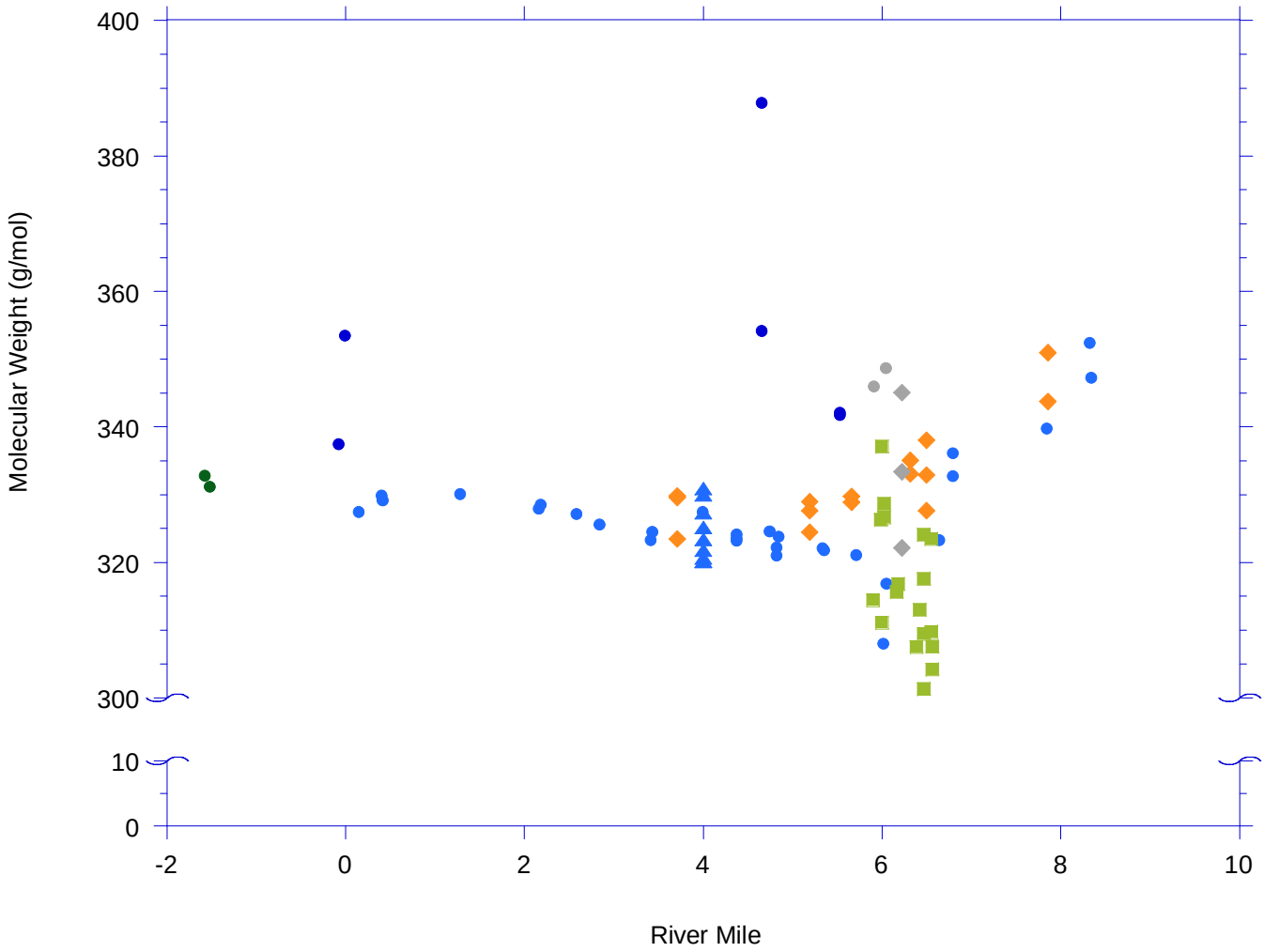


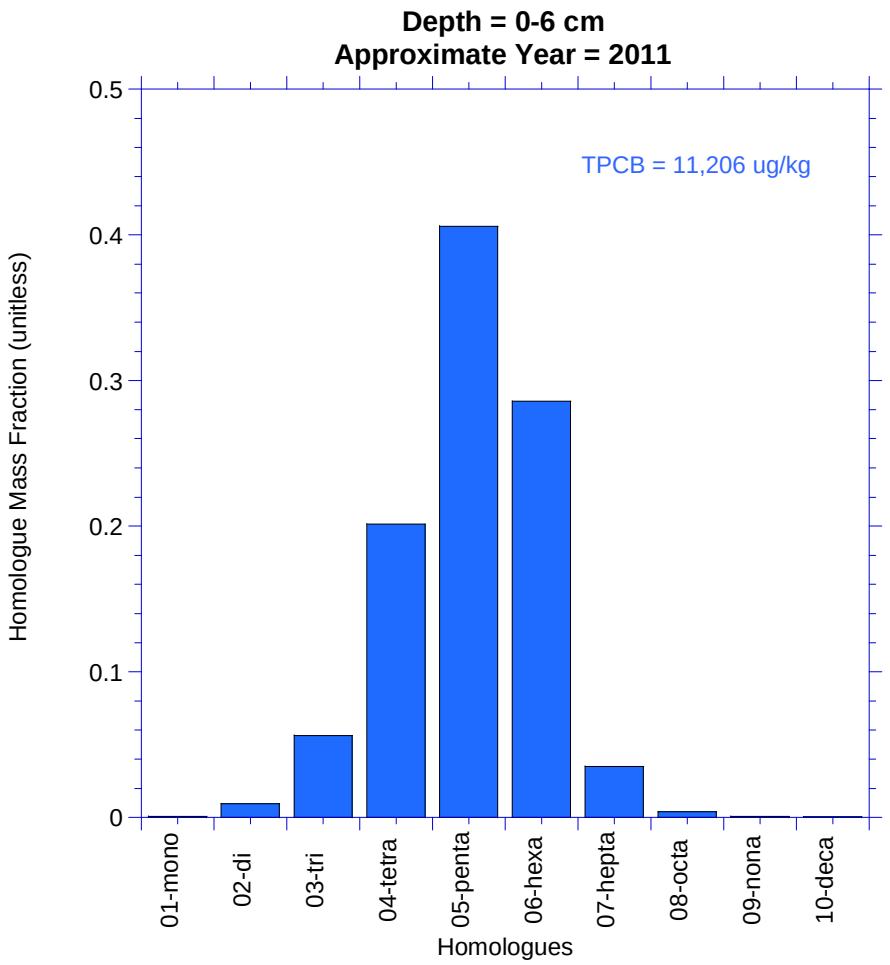
LEGEND:

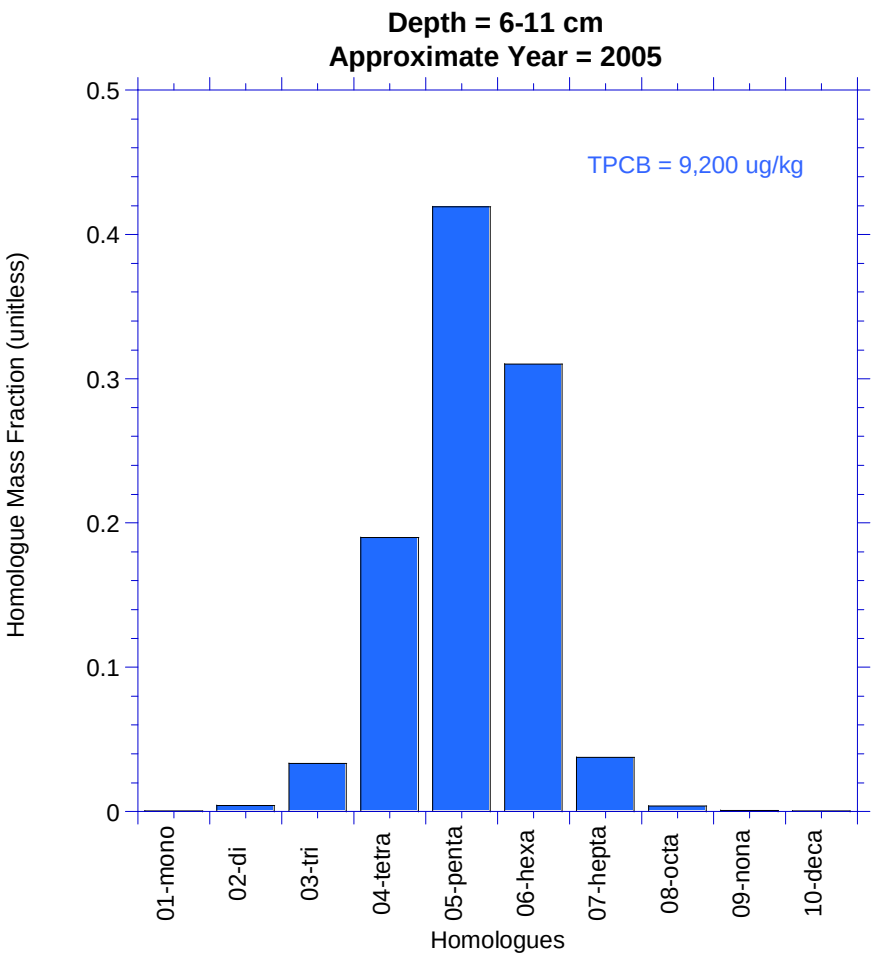
- Be7-bearing sediment from Bound Brook
- High resolution sediment core intervals
- Be7-bearing sediment from Cedar Brook (downstream of Spring Lake)
- Green Brook (downstream of confluence)
- Green Brook (upstream of confluence) and tributaries
- Fish from Bound Brook
- Fish from Spring Lake
- Groundwater

NOTES:

1. For samples with field duplicates, the average concentration is presented.
2. Nondetected concentrations were incorporated as zero.
3. Data source: 2011 OU4 Remedial Investigation, 2010 Cornell-Dubilier Bound Brook Reassessment, 2009 Woodbrook Road Dump Superfund Site Addendum to Draft Site Characterization Report, and 2010 OU3 Groundwater RI data.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**Sediment, Fish, and Groundwater PCB Molecular Weight Across the OU4 Bound Brook Study Area** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-19





LEGEND:

Homologue fraction in high resolution core slice

TPCB = Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 or 3 significant digits.
5. Data source: 2011 OU4 Remedial Investigation.

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PCB Homologue Patterns in High Resolution Sediment Core

Bound Brook OU4 RI/FS

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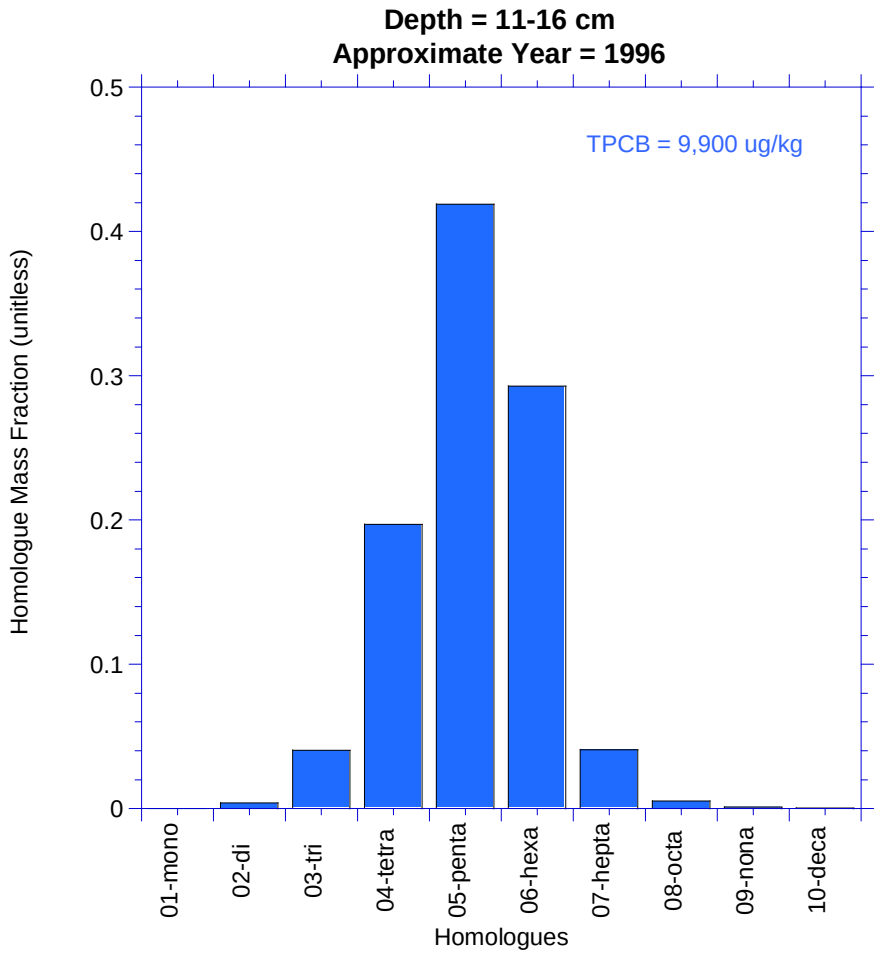
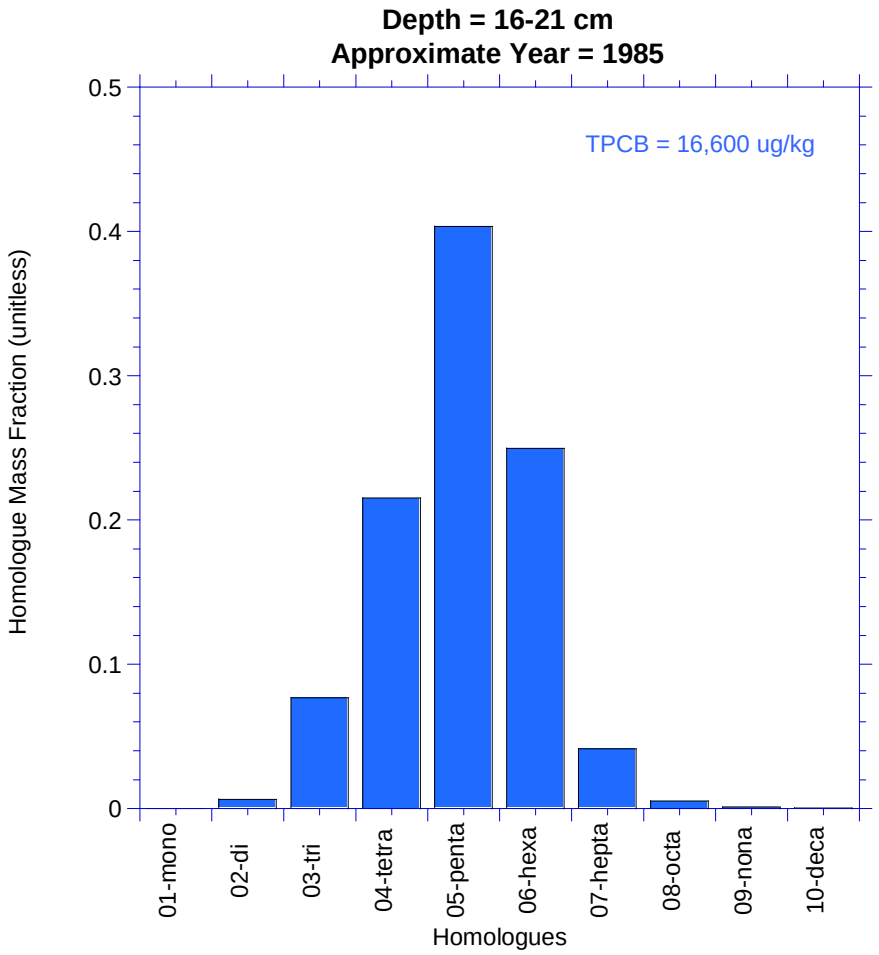
FIGURE 6-20a





LEGEND:

Homologue fraction in high resolution core slice

TPCB = Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 or 3 significant digits.
5. Data source: 2011 OU4 Remedial Investigation.

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PCB Homologue Patterns in High Resolution Sediment Core

Bound Brook OU4 RI/FS

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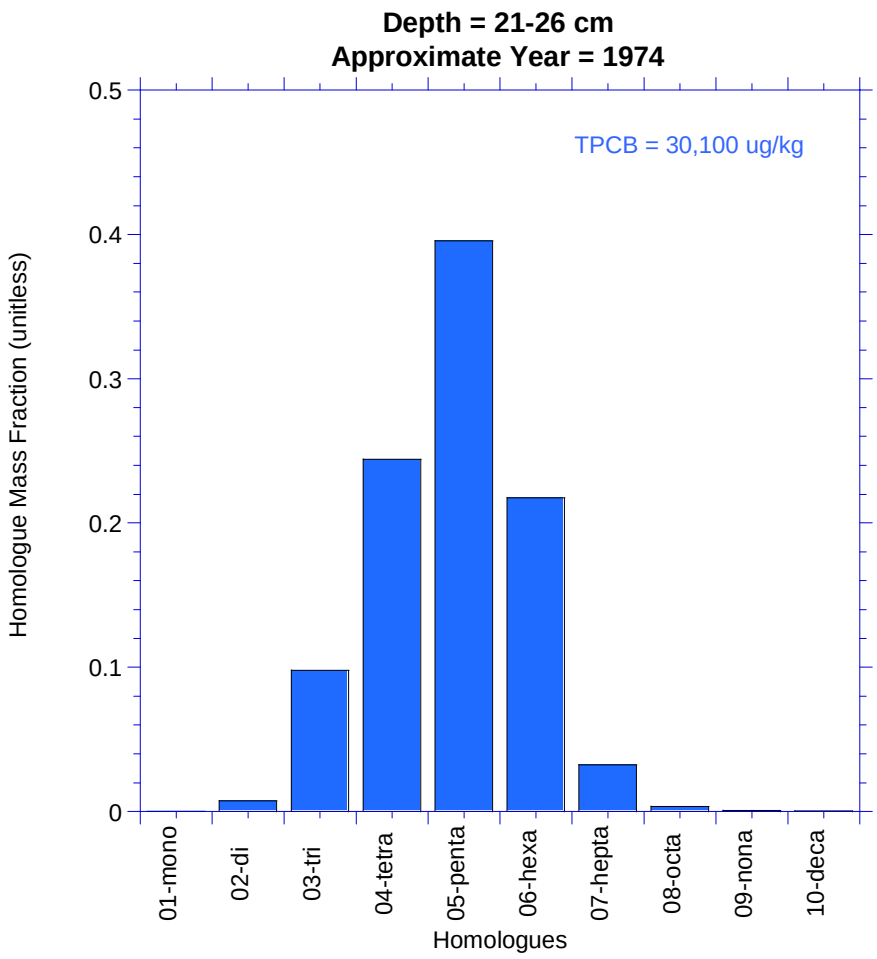
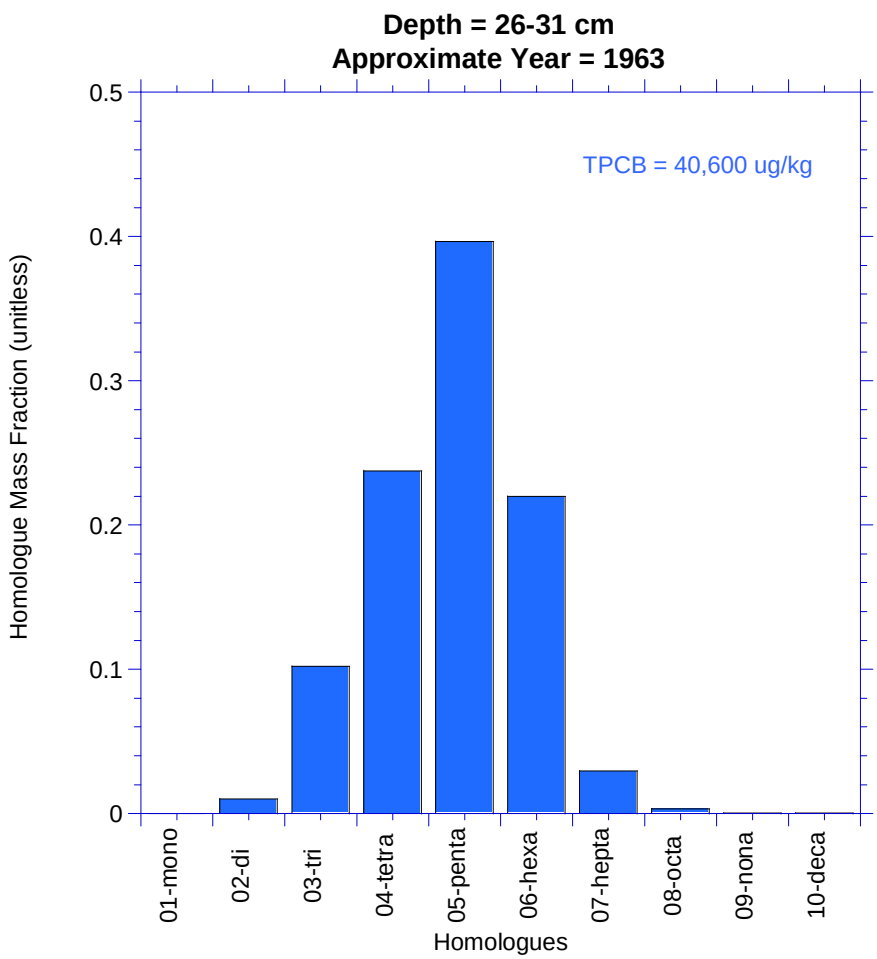
FIGURE 6-20b





LEGEND:

Homologue fraction in high resolution core slice

TPCB = Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 or 3 significant digits.
5. Data source: 2011 OU4 Remedial Investigation.

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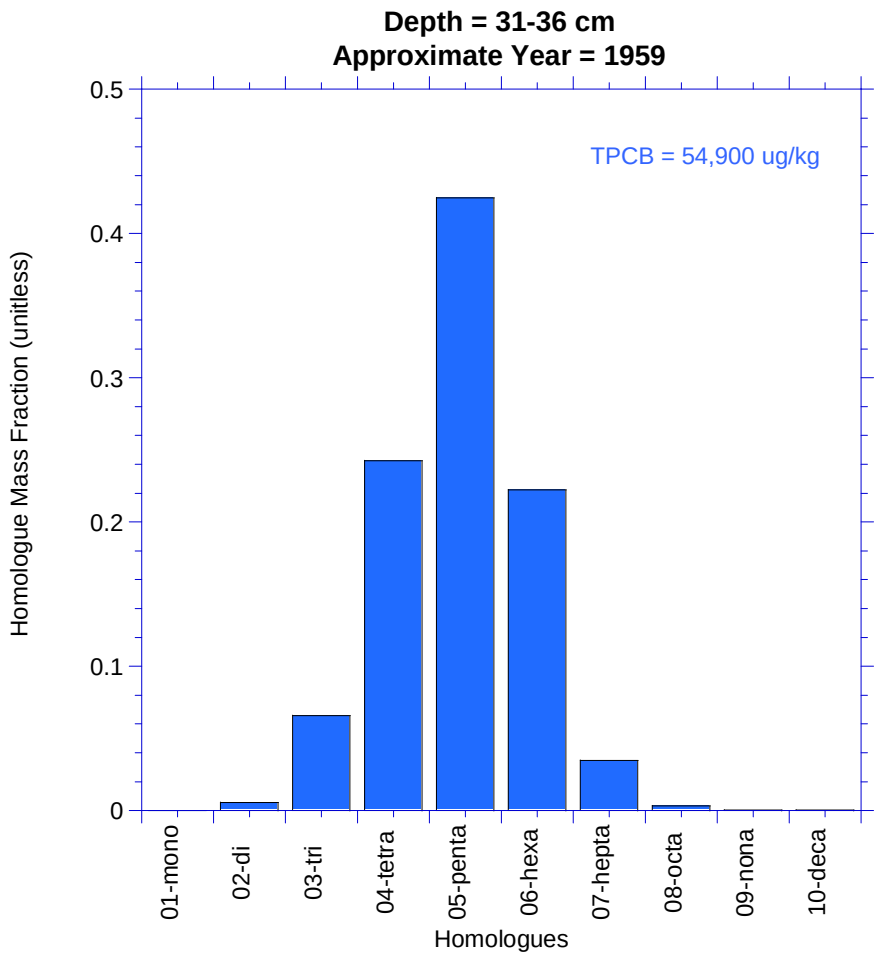
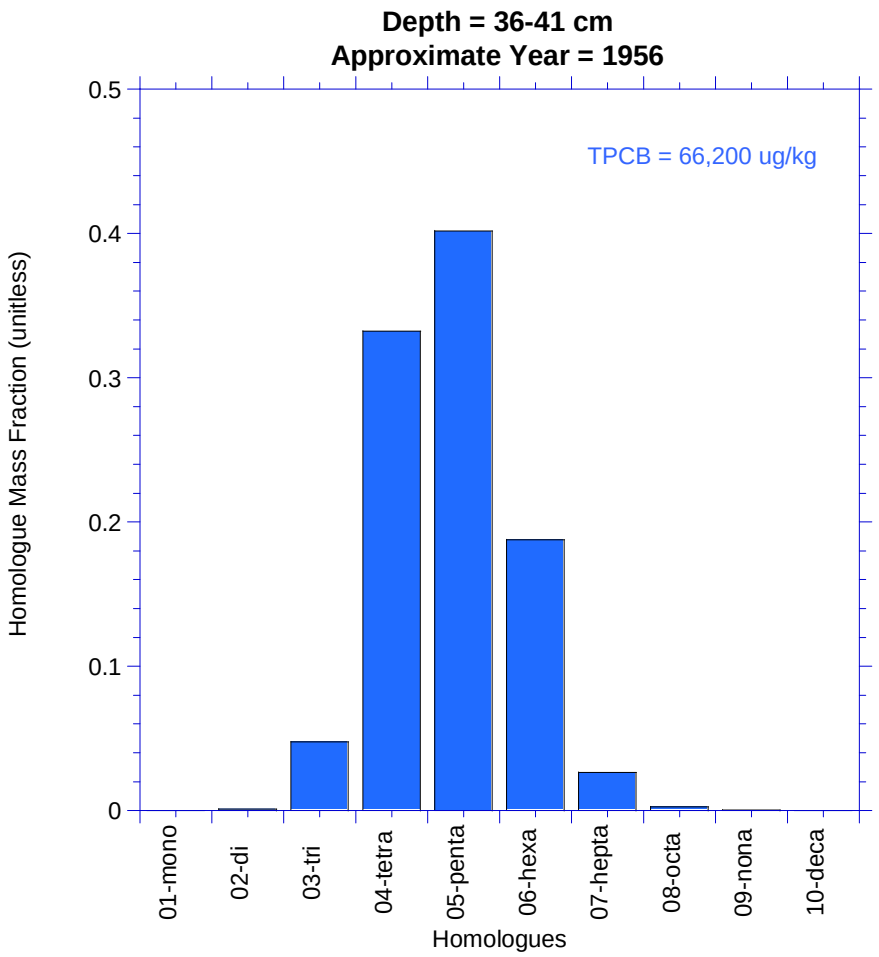
PCB Homologue Patterns in High Resolution Sediment Core

Bound Brook OU4 RI/FS

2013

FIGURE 6-20c





LEGEND:

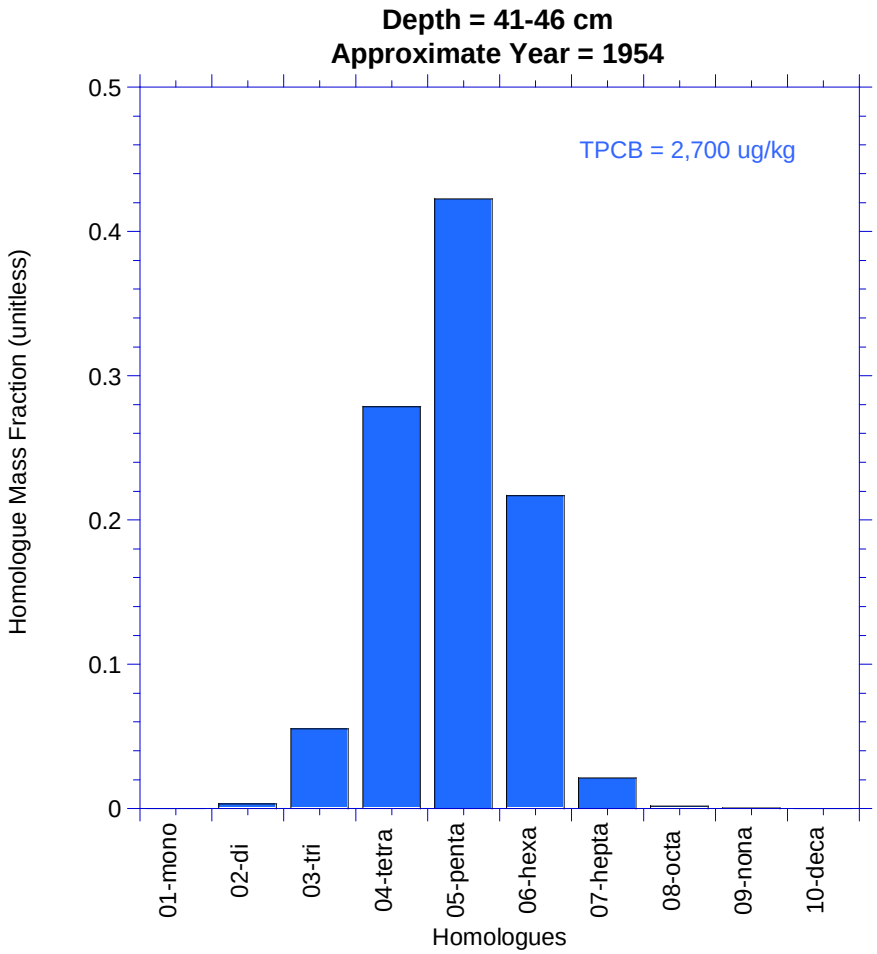
Homologue fraction in high resolution core slice

TPCB = Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 or 3 significant digits.
5. Data source: 2011 OU4 Remedial Investigation.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**PCB Homologue Patterns in High Resolution Sediment Core** *Bound Brook OU4 RI/FS*	2013 FIGURE 6-20d



LEGEND:

Homologue fraction in high resolution core slice

TPCB = Total PCB concentration

NOTES:

1. Homologue mass fraction (ratio of homologue to Total PCB) was plotted.
2. Nondetected concentrations were incorporated as zero.
3. For samples with field duplicates, the average concentration is presented.
4. Total PCB concentration was rounded to 2 or 3 significant digits.
5. Data source: 2011 OU4 Remedial Investigation.

Cornell-Dubilier Electronics
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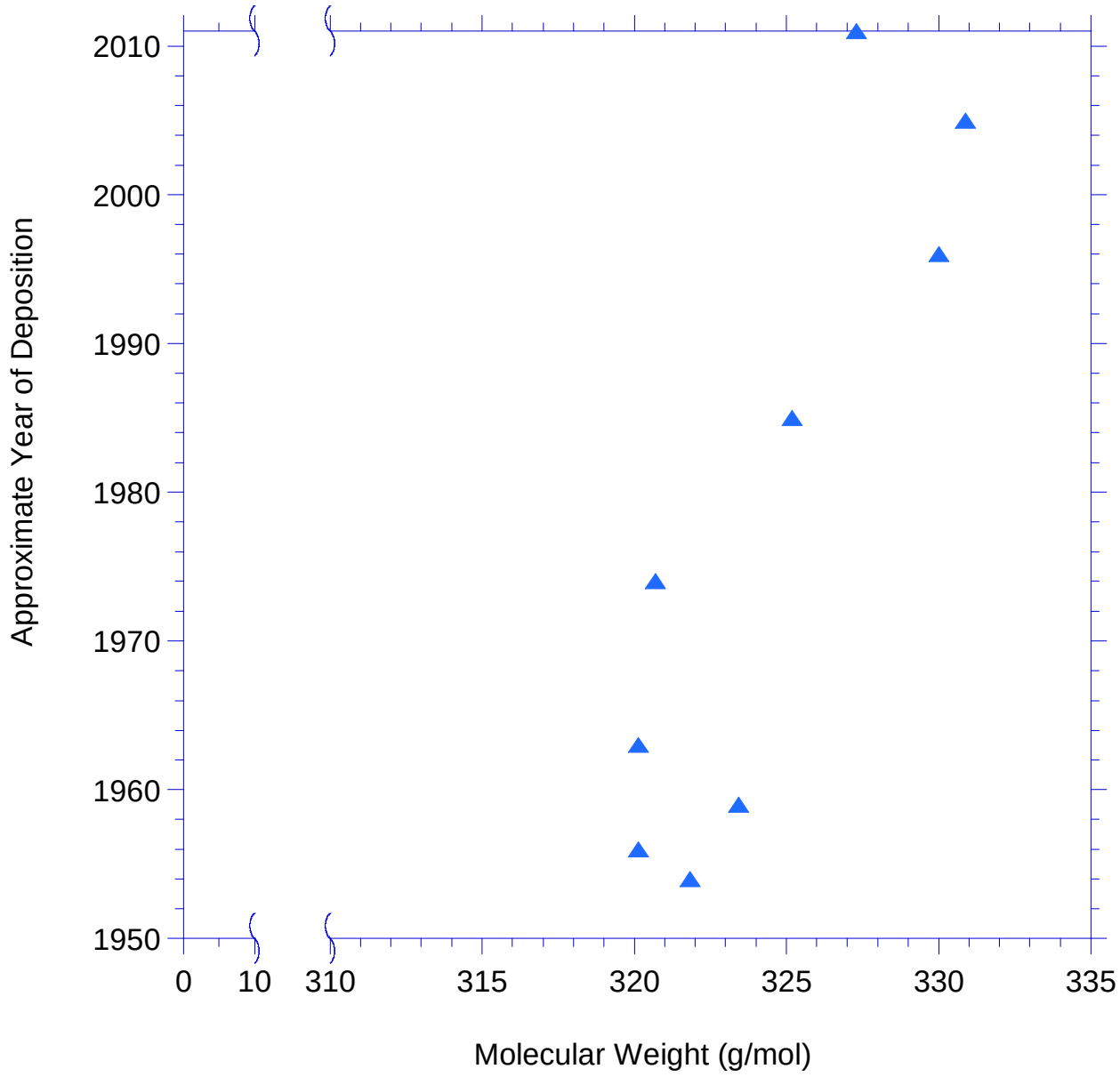
South Plainfield, NJ

PCB Homologue Patterns in High Resolution Sediment Core

Bound Brook OU4 RI/FS

2013

FIGURE 6-20e



LEGEND:

▲ High resolution sediment core sample

NOTES:

1. For samples with field duplicates, the average concentration is presented..
2. Nondetected concentrations were incorporated as zero.
3. Data represents the PCB molecular weight calculated for surface and subsurface samples from the high resolution sediment core. Only samples above 46 cm or the 1954 depositional horizon are presented.
4. The top slice (0-6 cm) represents the average of two slices since they were both Be7 bearing and represent 2011.
5. Data source: 2011 OU4 Remedial Investigation.

	Cornell-Dubilier Electronics Superfund Site South Plainfield, NJ	**PCB Molecular Weight for Depositional Year in High Resolution Sediment Core** *Bou... OU4 RI/FS*	2013 FIGURE 6-21

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